Bursar

REPORT

OF THE

BOARD OF GOVERNORS

OF THE

UNIVERSITY OF ALBERTA

1928-22

December 31st, 1922

UNIVERSITY OF ALBERTA
ARCHIVES
ACCESSION No: 71-164-34
REFERENCE No:

To His Honour

The Lieutenant Governor in Council

Sir:

On behalf of the Board of Governors of the University of Alberta, and in accordance with section 31, subsection 2, of an Act respecting the University of Alberta, the undersigned have the honour to transmit to you, through the Minister of Education, the Report of the University for the year ending December 31st, 1932.

The Report consists of two parts, Part I- the Report of the President on the academic work of the University for the year ending June 30th, 1932, and Part II- the Financial Statement for the year ending December 31st, 1932.

We have the honour to remain your obedient servants,

Chairman.

President.

To His Honour

The Lieutenant Governor in Council

Sir:

On behalf of the Board of Governors of the University of Alberta, and in accordance with section 31, subsection 3, of an Act respecting the University of Alberta, the undersigned have the honour to transmit to you, through the Minister of Education, the Report of the University for the year closing December 31st, 1932.

The Report consists of two parts, Part I- the Report of the President on the academic work of the University for the year ending June 30th, 1932, and Part II- the Financial Statement for the year ending December 31st, 1932.

We have the honour to remain your obedient servants,

Chairman.

President.

To His Honour

The Lieutenant Governor in Council

Sirs:

On behalf of the Board of Governors of the University of Alberta, and in accordance with section 31, subsection 3, of the Act respecting the University of Alberta, the undersigned have the honour to transmit to you, through the Minister of Education, the Report of the University for the year ending December 31st,1952.

The Report consists of two parts, Part I- the Report of the Proceedings on the various work of the University for the year ending June 30th,1952, and Part II- the Financial Statement for the year ending December 31st,1952.

We have the honour to remain your obedient servants,

Chairman.

President.

PART I

THE REPORT OF THE PRESIDENT

To the Board of Governors

of the University of Alberta.

Gentlemen:

In accordance with the requirements of the University Act, Section 66, Subsection 7, I beg to submit, herewith, a report on the work of the University for the academic year ending June 30th, 1922, the fourteenth annual report of the University, the twelfth to your honourable body.

STAFF

No changes have taken place in connection with the organization of the faculties during the current year. They stand as stated to you in the report of one year ago.

Professors	36
Associate Professors	9
Assistant Professors	14
Lecturers	23
Special Lecturers	2
Instructors	12
Demonstrators	3

99

Library-

Librarian	1
Assistant Librarians	2
Sessional help	1

4

Extension Department-

Director	1
Assistant Director	1
Librarian	1
Lecturer	1

4

To the Board of Governors

of the University of Alberta.

Gentlemen:

In accordance with the requirements of the University Acts, Section 60, Subsection 7, I beg to submit herewith a report on the work of the University for the academic year ending June 30th, 1920. The statements appended thereto are the University, the Faculty as now organized.

STAFF

The changes have taken place in connection with the organization of the Faculties during the present year. They stand as stated in the report of one year ago.

Professors	25
Associate Professors	6
Assistant Professors	11
Lecturers	13
Special Lecturers	5
Instructors	18
Demonstrators	3

Library-

Librarian	1
Assistant Librarians	2
General Help	1

Extension Department-

Director	1
Assistant Director	1
Clerk-Typist	1
Teachers	3

Correspondence Department:

Director	1
Instructors	3

Industrial Laboratory:

Director	1
Assistant	1

113
18
24
155

In addition to the above, lectures were given in the Law Faculty by eighteen honorary lecturers who were not on the salaried staff but who received a small honorarium for their lectures.

Also twenty-four senior students assisted in laboratory demonstrations and were compensated on an hour basis for their work.

To the Board of Governors

of the University of Alberta.

Gentlemen:

In accordance with the requirements of the University Act, Section 66, Subsection 7, I beg to submit, herewith, a report on the work of the University for the academic year ending June 30th, 1922, the fourteenth annual report of the University, the twelfth to your honorable body.

STAFF

No changes have taken place in connection with the organization of the faculties during the current year. They stand as stated to you in the report of one year ago.

Professors	36	36
Associate Professors	8	8
Assistant Professors	14	14
Lecturers	23	23
Special Lecturers	3	3 —
Instructors	18	18
Demonstrators	25	25 —
Student assistants	25	25 —
Honorary Lecturers in Law including one full time man	19	19
Library-		
Librarian	1	1
Assistant Librarians	3	2
Occasional help	1	1
Extension Department-		
Director	1	1
Assistant Director	1	1
Librarian	1	1
Lecturer	1	1

15 — 21 — 3 — 19 — 79 — 7 — 2

To the Board of Governors
of the University of Alberta.

Gentlemen:

In accordance with the requirements of the University Act, Section 82, Subsection 7, I beg to submit herewith, a report on the work of the University for the academic year ending June 30th, 1923, the financial annual report of the University, the auditor's report thereon.

Correspondence Department: 174

Director	1
Instructors	3

Industrial Laboratory :

Director	1
Assistant	1

185
72
113

Resignations

A. A. Dowell, Professor of Animal Husbandry

J. E. Lattimer, Assistant Professor of Animal Husbandry

W. M. Fife, Lecturer in Civil Engineering

P. A. W. Wallace, Lecturer in English

M. F. Rivett, Lecturer in Botany

G. Leavell, Lecturer in Chemistry

C. E. Bills, Lecturer in Biochemistry

D. Pellust, Instructor in Zoology

C. E. Cox, Instructor in Latin

Promotions

R. W. Boyle, Professor of Physics, was appointed Dean of the Faculty of Applied Science.

I. F. Morrison, from Associate to Professor of Applied Mechanics.

R. Weston from Associate Professor of Field Husbandry to Professor of Plant Biochemistry.

Lectureships

A. S. Tosdl, Professor of Animal Husbandry

S. H. Lantron, Associate Professor of Animal Husbandry

W. M. Pyfe, Lecturer in Civil Engineering

T. A. W. Miller, Lecturer in English

M. T. Pirtle, Lecturer in Botany

G. Carroll, Lecturer in Chemistry

C. H. Mills, Lecturer in Bacteriology

R. Talbot, Instructor in Zoology

O. T. Cox, Instructor in Latin

Promotions

R. W. Boyle, Professor of Physics, was appointed Dean of the Faculty of Applied Science.

I. N. Morrison, from Associate to Professor of Applied Mechanics.

R. Newton from Associate Professor of Field Husbandry to Professor of Plant Biochemistry.

New Appointments

F. H. Newburn, M.D. C.M. (McGill); LL.B. (McGill & Alberta); Professor of Surgery.

E. H. Strickland, M.Sc. (Harvard) Professor of Entomology.

J. A. Weir B.A. LL.B. (Sask.); B.A. Jurisprudence (Oxford), Lecturer in Law.

N. J. Mimnich, M.D. (Man.) Lecturer in Anatomy.

Charles E. Bills, B. Sc. (Johns Hopkins) Lecturer in Biochemistry.

Gladys Lonvell, M.Sc. (Chicago) Lecturer in Chemistry.

W. A. Gilchrist, D.D. S. (Northwestern) Instructor in Prosthetic Dentistry).

H. E. Bulyea, D.M.D. (Harvard) Instructor in Operative Dentistry.

J. P. Sackville, B.S. A. (Guelph), Professor of Animal Husbandry.

J. D. Newton, B.S.A. (MacDonald); Ph.D. (Col.) Associate Professor of Soils.

R. D. Sinclair, B.S.A. (Alta.) Assistant Professor of Animal Husbandry.

V. E. Kleven, LL.B. (Sask.); B.C.L. (Oxford), Lecturer in Law.

Oscar C. Bridgeman, M.A. (Sask.) Lecturer in Chemistry

F. Millet Salter, B.A. (Dalhousie); A.M.(Chicago) Lecturer in English and Oral Composition

H. E. Webb, M.Sc. (Alberta) Lecturer in Civil Engineering.

L. H. Nicholls, B.A. (McGill) Lecturer in Physics.

Grant Lochhead, B.A. (McGill); M.Sc. (McGill); Ph.D. (McGill and Liepsig) Lecturer in Biochemistry.

Grace Gladstone, B.S. Educ. (E. Radford State Normal School) Instructor in Household Economics.

W. J. K. Harkness, B.A. (Tor.) Instructor in Zoology.

Student Registration for the Academic Year Ending

June 30th, 1932

The following classification of the student body under various heads:- academic, social and religious will give some indication of the manifold interests that enter into the University.

Registration by Years

	Men	Women	Total
First Year	274	62	336
Second Year	198	67	265
Third Year	153	55	208
Fourth Year	65	38	103
Graduate Students	47	21	68
B. D.	9	-	9
Public Health Nurses	-	10	10
Correspondence	66	57	123
Special Students	18	41	59
Summer Session	39	35	74

Registration by Faculties

As distributed in the various faculties and schools, the numbers are as follows:

Total Registration 1285

1. Arts and Sciences 666

B.A. and B.Sc. in Arts 269

Bachelor of Commerce..... 18

B.Sc. in Pharmacy 18

Arts for Engineering..... 22

B.Sc. in Household Economics.... 25

Special Students 59

Graduate Courses..... 66

Combined Courses:

Arts and Agriculture	12	
Arts and Law	54	
Arts and Medicine	28	
Arts and Applied Science	18	
Arts and Architecture	3	115

Summer Session..... 74

2. Applied Science 81

Civil, Mining, Electrical..56

Architecture 3

Graduate Courses..... 2

Combined Courses-

Arts & Applied Science	18	
Arts & Arch.	2	21

Bachelor of Science

In distribution in the various Provinces
and schools, the numbers are as follows:

Total Registration 1908

1. Arts and Science 888

B.A. and B.Sc. in Arts 888

Bachelor of Commerce..... 18

B.Sc. in Forestry 15

Arts for Engineering..... 32

B.Sc. in Secretarial Science.... 25

Medical Students 92

Graduate Courses..... 86

Combined Courses:

Arts and Agriculture....12
Arts and Law 14
Arts and Medicine..... 28
Arts and Applied
Science 19
Arts and Architecture.... 5 134

Nursing Course..... 72

2. Junior Science 82

Civil,Mining,Electrical..84

Architecture 5

Graduate Courses..... 8

Combined Courses-

Arts & Applied
Science..... 12
Arts & Arch. ____5 17

3. Medicine 333

Medicine..... 185

Dentistry..... 39

Combined Courses:

Arts & Medicine.....39

4. Law 143

Law.. 89

Combined Course:

Arts & Law..... 54

5. Agriculture 100

Agriculture 59

B. of Household Economics..... 1

Combined Course:

Arts & Agriculture... 12

Professional Short Course in Dairying..... 30

6. School of Pharmacy

Diploma Course..... 44

7. Correspondence 133

8. Public Health Nurses 10

9. B. D. students 9

Total..... 1400

Less duplicate registrations in double courses..... 115

Total 1285

REGISTRATION BY SUBJECTS

Subject	Number of Course as shown in the Calendar	Number of Students
Accountancy	1	13
Agricultural Engineering	2	13
	1	8
Animal Husbandry	1	37
	3	7
	4	13
	52;53	6
	54	3
	56	5
Anatomy	2;4;5;10;12;14	53
	6;7	30
	11;13;15;21;33	9
	53;54;60	56
Architecture	2;3	1
	4	2
	5;6	1
	52;56;57;60	1
	62	6
Bacteriology	1	55
	2	10
	11	16
	51	56
	52	8
Biochemistry	[illegible]1	36
	51	42
	61	9
Botany	1;2	113
	3	67
	4	8
	51	7
	52	1

Subject	Number of Courses in this Category	Number of Students
Accountancy	1	32
Agricultural Engineering	2 1	13 6
Animal Husbandry	1 2 4 [illegible] [illegible] [illegible]	27 7 12 6 3 9
Biology	[illegible] [illegible] [illegible] [illegible]	28 22 9 15
Agriculture	[illegible] 4 [illegible] [illegible] [illegible]	1 2 1 1 6
Bacteriology	1 2 1 [illegible] [illegible]	26 10 12 15 2
Biochemistry	[illegible] [illegible] [illegible]	24 42 9
Botany	1 2 4 [illegible] [illegible]	132 27 8 7 1

Subject	Number of Course as shown in the Calendar	Number of Students
Chemistry	1 (part 1, S.S.)	7
	1	14 S
	2	84
	3	78
	4	13
	51	17
	52	23
	54	8
	56	6
	57	6
	58	8
	101	3
	102	4
Classical Philology	51	39
Civil Engineering	1	19
	2;3;6	17
	7	18
	52	4
	53	2
	55	6
	57	16
	59	3
	62	2
	63	3
	66	4
	67	5
	70	6
	74	4
Clinical Laboratory	52	42
Clinical Medicine	51	42
Contracts		31
Dairying	51	8
	52	5
Dentistry	1	19
	2; 3(a); 3 (b)	9
Drawing	1	3
	2	20
	3	3
	4	21
	5	16

Subject	Number of Courses on Albany Medical College Curriculum	Number of Semesters
Chemistry	1 (Gen. & Q.A.)	2
	1	1½
	1	2
	1	2
	1	1
	1	1
	1	1
	1	1
	1	1
	1	1
	1	1
	1	1
	1	1
	1	1
	1	1
Clinical Pathology	1	½
Civil Engineering	1	½
	1	½
	1	½

Subject	Number of Course as shown in the Calendar	Number of Students
Electrical Engineering	51	5
	53	6
	54;55	3
Education	51	7
	52	17
English	1	304
	2	90
	3	12
	4	36
	52	27
	53	19
	54	8
	55	9
	57	11
	59	27
	61	10
	107	1
Field Husbandry	1;2;	26
	3	36
	4	13
	51	2
	52	7
	53; 54; 58;	2
French	A	1 09
	1At (part 1) S.S.	7
	1At (" 2) "	7
	1;3	1 08
	3;4 (part 1) S.S.	5
	3;4	46
	41	56
	43	19
	53	15
	54	37
	101 ;102	1
Geology	32	34
	33	17
	51	34
	52	10
	53	8
	54	7
	55	10
	58	4
	59	5

Objects	Degree of Course or Hours in the Curriculum	Number of Students
Electrical Engineering	23	9
	33	6
	Se;23	7
Education	21	7
	2C	17
Physics	1	204
	2	90
	3	32
	4	36
	23	27
	23	19
	24	8
	2E	5
	27	11
	2o	27
	21	20
	12Y	1
Media Mathematy	1;B;	28
	3	23
	4	14
	21	8
	2C	7
	23; 24; 2B;	3
Proofs	A	1 09
	12B (p+-q 1) Q.E.	7
	13A (" B) "	4
	14C	1 C0
	14A (p+-q 1) Q.E.	8
	14	4C
	22	4E
	2C	2E
	2A	1E
	24	1C
	1C1 ;12B	2
Geology	2A	24
	2E	17
	21	21
	2B	10
	2F	3
	24	2
	2E	10
	2A	4
	22	6

Subject	Number of Course as shown in the Calendar	Number of Students
Latin	103	1
	111	1
	113	1
Materia Medica	1	16
	3	54
	4	9
	51	7
	52	3
Mathematics	1 (part 1 S S)	34
	1 (part 2 S Sn)	13
	1	150
	2	24
	3	20
	7 (part 1 S S)	9
	7	7
	21;22	28
	25,26	37
	31	34
	32	41
	36	39
	53	7
	55	15
	57	9
	62	8
	102	3
	104;105	2
Mining Engineering	52;54;56;57	5
	59;61;63;64;65	7
Pathology	51	42
Pharmacy	1; 2	18
	3	54
	51;52	6
	55	4
Pharmacology	51	43
Philosophy	1	17
	2	34
	51	41

Subjects	Number of Courses as shown in the Calendar	Number of Students
Arabic	102	1
	111	1
	115	1
Chemistry Section	1	18
	2	64
	4	9
	81	7
	82	1
Dictionnaries	1 (pure 1 2 3)	24
	1 (pure 2 3 8)	12
	1	160
	2	24
	8	80
	7 (pure 1 8 8)	9
	7	7
	81;82	24
	72.82	17
	71	24
	82	41
	24	29
	83	7
	82	12
	87	0
	82	8
	102	3
	101;102	2
Mining Engineering	81;84;86;87	2
	82;83;86;88	1
Philology	21	42
Pharmacy	11 2	24
	3	24
	81;82	6
	82	4
Physiology	82	42
Philosophy	2	17
	8	14
	41	42

Subject	Number of Course as shown in the Calendar	Number of Students
German	A	28
	1;3	15
	2;4	3
	41	6
	54	1
Greek	1;3	5
	2;4	3
	55	1
Hebrew	51	3
	53	1
History	1	134
	2	49
	2 (part 1) S S	7
	3	35
	54	1
	56	32
	57	33
	102	2
History of Agriculture	1	37
	2	13
	51	6
Horticulture	1	12
Household Economics	1	4
	2;3	13
	31	1
	51	24
	52	5
	53	7
Hygiene	51	7
Jurisprudence	32	38
Latin	A	111
	1;3;	98
	2;4	9
	1;3; (parts 1&2 S S)	5
	36	39
	53	2
	54	3

Subject	Number of Course in the Catalogue	Number of Students
Germanic		
Greek		
Hebrew		
Medieval		
Modern Literature		
Romance Languages		
Russian		
Scandinavian		
Latin		

Subject	Number of Course as shown in the Calendar	Number of Students
Philosophy	53	10
	54	13
Philosophy of Religion		2
Physics	1 (part 1 S S)	13
	1 (part 2 S S)	8
	1	144
	3a; 3b;	27
	6	36
	8	7
	11	52
	31	47
	51	35
	51	3
	53	4
Physical Education	1;2 (men)	63
C.O.T.C.		366
Physical Education	1;2 (women)	98
Physiology	1	33
	31	49
	61	8
Political Economy	1	114
	2	21
	10	15
	64	36
	65	38
	67	18
	70	8
	101	3
Psychology	51	19
	52	27
	53	38
	54	10
	102	1
	103	1
	104	17
	105	17
	P. H.H.	10

Subject	Number of Course in the Calendar	Number of Students
Philosophy	23	30
	64	12
Philosophy of Religion		8
Physics	1 (part 1 2 3)	13
	1 (part 2 3 4)	8
	1	344
	Sec 33:	37
	6	18
	8	7
	11	52
	31	47
	31	35
	81	5
	82	4
Physical Education	11a (men)	85
C.O.T.C.		108
Physical Education	11a (women)	86
Physiology	1	88
	81	40
	81	6
Political Economy	1	114
	5	31
	10	13
	64	85
	85	36
	82	18
	70	8
	101	3
Psychology	82	19
	83	87
	83	86
	84	20
	102	1
	102	7
	102	17
	109	14
	P. E.M.	10

Subject	Number of Course as shown in the Calendar	Number of Students
Public Health Nurses		10
Real Property	1	31
Science and Engineering		18
Soils	53	4
	2	12
	[illegible]	3
	55	5
Surgery	51	43
Systematic Theology		2
Torts		31
Toxicology	1	41
Veterinary Science	1	13
	51	6
Zoology	1	48
	2	70
	3	53

Subject	Number of Persons in the Profession	Number of Students
Public Health Nurses		19
Real Property	1	81
Science and Engineering		13
Seals		
		4
		12
		3
		3
Surgery		49
Systematic Theology		2
Tombs		23
Toxicology		41
Veterinary Science		13
		6
Zoology		
		42
		70
		62

Subject	Number of Course as shown in the Calendar	Number of Students
Common Law	First Intermediate	31
Contracts	" "	31
Equity	" "	31
Real Property	" "	31
Canadian Constitutional Law	" "	31
Criminal Law	Second Intermediate	34
Equity	" "	34
Common Law	" "	34
Contracts	" "	34
Real Property	" "	34
Practice & Procedure	" "	34
Evidence	" "	34
Torts	" "	34
Private International Law	" "	34
Criminal Law	Final	33
Company Law	"	33
Constitutional Law	"	33
Evidences	"	33
Private International Law	"	33
Practice and Procedure	"	33
Mercantile Law	"	33
Torts	"	33
Contracts	"	33
Wills & Construction of Statutes	"	33
Equity	"	33
Common Law	"	33
LL.B Subjects		
Canadian Constitutional History		3
English Constitutional History		3
Legal Philosophies		17
Ancient Law		17
Jurisprudence		34
Constitutional Law		33
Public International Law		33
History of English Law		29
Roman Law		25
American Constitutional Law		20

Subject	Number of Course as shown in the Calendar	Number of Students
Common Law	Third Intermediate	
Contracts	" "	21
Equity	" "	24
Real Property	" "	21
Students Constitutional Law	" "	23
		23
Criminal Law	Second Intermediate	
Equity	" "	24
Common Law	" "	24
Contracts	" "	24
Real Property	" "	24
Practice & Procedure	" "	24
Evidence	" "	21
Torts	" "	24
Private International Law	" "	24
		24
Criminal Law	Final	
Common Law	"	24
Constitutional Law	"	24
Evidence	"	24
Private International Law	"	24
Practice and Procedure	"	24
Mercantile Law	"	24
Torts	"	24
Contracts	"	24
Wills & Construction of Statutes	"	24
Equity	"	24
Common Law	"	24
		24
LL.B Subjects		
General Constitutional History		8
English Constitutional History		8
Legal Philosophy		24
Agency Law		24
Jurisprudence		24
Common Law		24
Equity		24
Private International Law		24
History of Scotch Law		24
Roman Law		24
Administration Constitutional Law		24

Registration of Students According to National Origin

The following classification of students with respect to their origin shows how varied is the nationality of our student body:

1. British 974

(a) Canada 756

Ontario	318
Alberta	163
Manitoba	73
Nova Scotia	49
Quebec	43
British Columbia	34
New Brunswick	33
P.E. Island	14
Saskatchewan	26
Yukon	3

The 163 in Alberta were distributed as follows:

Edmonton	41
Calgary	19
Medicine Hat	18
MacLeod	9
Lacombe	6
Ft. Saskatchewan	6
Ponoka	5
Wetaskiwin	4
Cardston	4
Lethbridge	4
High River	3
Okotoks	3
Red Deer	3
Irvine	2
Innisfail	2
Beaver Lake	2
Mundare	2
Vegreville	2
Olds	2
Cayley	2
Alix	1
Burnt Lake	1
Calmar	1
Camrose	1
Canmore	1
Cochrane	1
Conjuring Creek	1

Claresholm.....1
Milladale.....1
Longdon 1
Lamont 1
Ledue 1
Millett..... 1
Ogden 1
Okotoks 1
Penhold 1
Riviere Qui Barre 1
Rose Creek 1
Saddle Lake 1
Shore 1
Springbank 1
Sylvan Lake 1
"Alberta" 2

(b) Other Parts of the British Empire ----------212

England	119
Scotland	45
Ireland	34
Wales	8
Newfoundland	5
India	4
New Zealand	1
British Guiana	1
Ceylon	1

2. Foreign Countries ---------- 248

(a) United States----------182

Minnesota	17
Iowa	17
Nebraska	14
North Dakota	13
South Dakota	11
New York	10
Illinois	9
Washington	8
Pennsylvania	8
Massachusetts	8
Ohio	7
Montana	6
Michigan	6
Indiana	5
Utah	4
California	4
Wisconsin	4
Colorado	3
Missouri	3
Oklahoma	3
Vermont	3
Kansas	2
Oregon	2

And one each from Connecticut, Idaho, Maine, New Hampshire, New Jersey, Texas, Virginia and Wyoming, and eight from "U.S.A."

(b) Other Ports of the British Empire ----------

England 139
Scotland 45
Ireland 24
Wales 9
Newfoundland 8
India 4
New Zealand 3
British Guiana 1
Ceylon 1

B. Foreign Countries ----------

(a) Nation Boats ----------

Minnesota 17
Texas 17
Pennsylvania 14
North Dakota 12
South Dakota 11
New York 10
Illinois 9
Washington 8
Massachusetts 8
Ohio 7
Montana 6
Michigan 6
Indiana 5
Utah 4
California 4
Wisconsin 4
Nebraska 3
Missouri 3
Oklahoma 3
Vermont 3
Kansas 2
Oregon 2

And one each from Connecticut, Idaho, Maine, New Hampshire, New Jersey, Texas, Virginia and Wyoming, and eight from W.S.A.

(b) Other than the United States ----------56

Russia	17
Austria	8
Galicia	8
Norway	4
Poland	4
Ukrainia	5
France	3
Denmark	3
Mexico	2
Iceland	1
Switzerland	1
Finland	1
Hungary	1
China	1

3. Countries not specified ---------- 43

Distribution of Students in the Province

The Home Addresses of the students represent one hundred and eighty seven places in the Province. These are as follows:

Alix, Alliance, Altona, Andrew, Ardrossan, Ardley, Athabasca, Banff, Barons, Bassano, Beaf, Beaver Lake, Bellevue, Bentley, Beverly, Big Valley, Bindloss, Bittern Lake, Bon Accord, Bonnyville, Bothe, Bottrel, Bowden, Bow Island, Blackie, Blairmore, Brenner, Breezylia, Brooks, Brule Mine, Burdette, Calogen, Calgary, Canmore, Calmar, Camrose, Cappon, Carlston, Carmangay, Carstairs, Castor, Cayley, Chauvin, Chancellor, Champion, Chipman, Chinook, Clareholm, Clive, Clyde, Coaldale, Cochrane, Coleman, Coldbelle, Compeer, Consort, Coronation, Cremona, Craigmyle, Dalemead, Dayeland, Delacour, Delia, Didsbury, Donalda, Drumheller, Eagle Hill, Edson, Evarts, Eastburg, Edgerton, Elk Point, Edmonton, Farintosh, Forestburg, Foramost, Fort Saskatchewan, Gadsby, Gilt Edge, Gleichen, Grainger, Grande Prairie, Greenlawn, Hardisty, Hartshorn, Hatherange, Heasleigh, Hillcrest, High River, Holden, Hughenden, Huxley, Innisfail, Innisfree, Irricana, Irvine, Islay, Jasper, Jarvie, Jenner, Killam, Kinsella, Lacombe, Lac La Nonne, Leford, Lake Isle, Lamuke, Langdon, Lamont, Leduc, Leesboro, Lethbridge, Longheed, Lloydminster, Lomond, Magrath, MacLeod, Manville, Medicine Hat, Millet, Millerville, Morningside, Morrin, Morinville, Mountain Park, Mundero, Munson, Manton, Movia, New Brigden, New Sarepta, Nordegg, Nobleford, Noyes Crossing,

Description of Features in the Template

The Menu Structure of the eSchools resources was designed and slightly moved places in the Template. These are as follows:

Chauvin, Palmerston, Peace River, Penhold, Pincher Creek, Ponoka, Primate, Provost, Radway Centre, Raymond, Red Deer, Red Willow, Redcliff, Rich Valley, Rimbey, Round Hill, Rossington, Ryley, Sedalia, Saxonith, Sedgewick, Shandro, Spruce Grove, Smoky Lake, Standard, Stanmore, Stavely, St. Paul de Metis, Stettler, Scotfield, Stony Plain, Strome, Sunnyslope, Sylvan Lake, Taber, Tofield, Travis, Tudor, Two Hills, Ursone, Vegreville, Vermilion, Veteran, Viking, Wainwright, Warnick, Wembley, Westlock, Wetaskiwin, Winnifred, Zetland.

The Religious Affiliation of the Students in the University as shown by their Registration Cards.

Presbyterian	396
Methodist	309
Church of England	199
Roman Catholic	96
Baptist	80
Hebrew	24
Lutheran	16
Latter Day Saints	15
Greek Catholic	10
Congregational	7
Christian Scientist	5
Unitarian	4
Greek Orthodox	4
Union Church	3
Mennonite	3
Church of God	1
House of Jacob	1
Russian Orthodox	1
Evangelical Association	1
Disciple of Christ	1
Friend	1
Christadelphian	1
International Bible Society of America	1
"Protestant"	21

Abbreviations 1

Accrediting Agencies 1

Admission 1

Advanced Standing 1

Alumni Association 1

Application for Admission 1

Application for Graduation 1

Application for Graduate Study 1

Application for Graduate Work 1

Application for Graduate Work 1

Application for Graduate Work

"Christian"	1
"None"	6
Not specified	80
"Relatively Presbyterian"	1
"Presbyterian or Methodist"	1
Presbyterian interested in Christian Science	1

Scholarship

The academic work of the year has been carried on on the whole in an eminently satisfactory manner. The more rigid checking of student activities, class preparation and class attendance reported upon last year has worked out during the current year in greatly improving the attitude of the students towards their work. The work of the Freshman Committee has been particularly a source of great gratification to the staff generally and has been exceedingly helpful to the student body as a whole. Many students on coming to the University are not sure of the vocation to be followed after graduation. The first year in the general course in the University is so planned that students can take a full year's work before deciding on their vocation. By means of addresses on vocational opportunities and personal interviews an effort has been made to direct students into channels for which they are specially fitted.

Discipline and Medical Services

The following report of the Provost shows how the problems of discipline have been worked out during the year and also indicates the extent of the work of the Medical Services.

(A) Discipline

It has always been our policy to encourage students to assume as much responsibility as possible for regulation of their own conduct. I am glad to say that during the present session substantial progress has been made along these lines. This is true not only of the men and women in residence but of the student body generally. Those students who have occupied posts of responsibility have taken their duties seriously and the loyal support they have received from all concerned has been particularly marked during the present session. We have, of course, always certain difficulties to face but it is particularly gratifying to know that the students have already on their own initiative considered plans to deal with these difficulties at the beginning of the coming term.

A new constitution has been published and is on sale at the book-store. All freshmen will be required to provide themselves with a copy and familiarise themselves with our system of government, so that it is hoped that there will be a much better understanding and closer co-operation in the future.

The work of the Committee on Student Affairs has, as in previous years, gone very smoothly and the harmonious relation which has existed between student representatives and University officials on this committee has, I feel certain, contributed in no small degree to the good will which exists between students and members of the teaching staff, generally.

Disciplines and Medical Services

The following report of the Provost shows how the problems of discipline have been worked out during the year and also includes the report of the work of the Medical Services.

(A) Discipline

2. Student Organizations and Activities

The work of the Students' Union is, I think, worthy of special mention, this year. The President was Mr. H. R. Thornton, who received his degree in the Faculty of Agriculture at this spring's Convocation. When he assumed the duties of his office, he took over a considerable debt, (about $3000). The financial report for the year shows a substantial surplus ($500).

An examination of all the reports furnished by the various departments under the Students' Union to the Committee on Student Affairs indicates that they have all been run in a conscientious and businesslike manner and they have all met with a large measure of success.

Particular attention has been given this year to the supervision of the personnel of all athletic teams representing the University in competition with other universities or outside organizations. The same supervision is exercised in regard to debates with other universities and dramatic performances open to the public. A special committee has been appointed to supervise this work which is responsible for seeing that only "bona fide" students whose scholastic standing is satisfactory are allowed to represent the University. By satisfactory scholastic standing is understood to mean not having failed in more than two subjects and having an average of at least 50% on all subjects, the grading to be based on the last tests or examinations. At the beginning of the session some of the students were inclined to think that the standard was rather high, but I feel certain that at present the great majority of those interested in athletics are disposed to think that the standard is fair and necessary.

3. Recent Organizations and Activities

The work of the Students' Union in [illegible] quality of special mention, this year. The Treasurer was Mr. R. Thornton, who received his degree in the faculty of Agriculture at this year's Convocation. Then he resumed the duties of his office, he took over a considerable debt, (about $8000). The financial report for the year shows a substantial surplus ($510).

As foreshadowed in my last report, the Students' Union is furnished by the various departments under the Students' Union on the Committee on Student Affairs indicates that they have all been run in a businesslike manner and they have all met with a large measure of success.

Provisional approval has been given this year to the suggestion of the personnel of all activity terms representing the University in competition with other universities or outside organizations. The same supervision is required to deal with other universities and formulate programmes open to the public. A special committee has been [illegible] to supervise this work which is responsible for seeing that only those [illegible] participate whose scholastic standing is satisfactory and [illegible] to represent the University. By a satisfactory scholastic standing is understood to mean not having failed in more than one subject and having an average of as least 50% on all subjects. The grading to be based on the last term or examinations. At the beginning of the session some of the students were inclined to think that the standard was rather high, but I feel certain that at present the great majority of those interested in athletics are disposed to think that the standard is fair and necessary.

3. Medical Services

In connection with the Medical Services it may be of interest to know something of what is being done. The following extract from the report of the Medical Director will give an idea of the session's work.

Number of students requiring medical or surgical attention	410
Number of students admitted to Athabasca Hall Hospital (the length of time in hospital varied from 3 to 57 days)	113
Number of visits to students at Athabasca Hall, Alberta College, Royal Alexandra and Misericordia Hospitals	100
Number of visits to non-resident students	110
Number of office calls by students	80
Number of students requiring attention at Alberta College South	78

During the session forty-four different kinds of diseases and injuries were treated.

This term, we were able to give the student body the very best possible service with an Assistant, Dr. Minnish, living in residence and devoting at least an hour a day for any students wishing to see him. He also made regular calls on students in Athabasca Hall and Alberta College (one hundred and ten visits at Alberta College,alone). Miss Batty,R.N. was in constant attendance in Athabasca Hall and cared for our sick in a most conscientious and skillful manner. No better care could have possibly been secured in any of our City Hospitals.

3. Medical Services

In connection with the Medical Services it may be of interest to know something of what is being done. The following extract from the report of the Medical Director will give an idea of the nosocomial work.

Number of students requiring medical or surgical attention 410

Number of students admitted to Athabasca Hall
Mental (with length of time in hospital varying
from 2 to 27 days) 110

Number of visits to students at Athabasca Hall,
Alberta College, Royal Alexandra and Misericordia
Hospitals 309

Number of visits to non-resident students 130

Number of office calls by students 80

Number of students requiring attention at
Alberta College Dental 98

During the session forty-four different
kinds of diseases and injuries were treated.

This term, we were able to give the student body the very best possible service with an Assistant, Dr. Stanton living in residence and devoting at least an hour a day for any student wishing to see him. We also made regular calls on students in Athabasca Hall and Alberta College (one located out town at Alberta College,Olds). Miss Bixby,R.N. was in constant attendance in Athabasca Hall and cared for our sick in a most commendable and skilful manner. No matter more could have possibly been secured in any of our City Hospitals.

CONVOCATION

The Convocation for the year was held on May 13th, 1930.

The following persons were admitted to degrees in the University:

Admitted to the degree of Bachelor of Arts

Allen, James Don
Allwork, Charles Theodore (first rank Honours in History)
Archibald, Margaret Courtoon (first rank Honours in Modern Languages)
Bakewell, Mina Georgia
Beveridge, Belle
Block, Lois Young
Brookes, Kemper Hammond
Bryan, Helen Alexandra
Butchart, Thelma Victoria (first rank Honours in Mathematics)
Chadsey, Louis Colvin
Charlesworth, Gerald Stuart
Cousins, Frank Clifford
Cowan, Kate Sinton
Davis, Edward Newton
Diller, Dorothy (with first class General Standing)
Docrthy, Silvanus
Evans, Russell Whitleigh
Potter, Ray Eugene
Ford, Francis Armour
Frame, William Edward
Francis, Arthur Chesley
Garrison, Daphne (first rank Honours in Philosophy)
Gifford, Blanche
Gordon, Clarke Lorin
Hastler, George Francis
Jones, Islwyn
Jones, John Thomas (second rank Honours in English)
Kaub, Mary Kathleen
Keith, Helena Dawson
Kerr, Helena Nesbitt
Koenig, Daphne Laurie
Lepage, George Frederick
LaFleche, Helena Madeleine
McBrine, Arthur Richardson
McCabe, James Osborne
McMillan, Jean Ellen
McQueen, Christina Catherine
McQueen, Jean
Macaulay, Archibald Francis
Miller, Alison Rodvers

Mishaw, Peter Alexander
Moore, Hazel Hilda Mae
Morgan, Arthur Robinson
Nicoll, Jean
Nicoll, James McLaren
Ogston, Alexander Wyte
Pegrum, Dudley Frank(with first rank Honours in History)
Philp, Donald Francis
Pentland, Lucile Geraldine
Roscoe, Helen Margaret
Snider, Minard Cecil
Stafford, Dorothy Donalda
Steele, Ivy May
Stuart, Oliver Leslie
Stutchbury, Ewart William
Suiter, Minnie Hood
Villett, George Harrison
Villy, Margaret Burnes (with first rank Honours in English)
Webster, Daniel Alec Calder
Werschof, Minnie Jennie
Williams, Catherine Lucille
Wilson, Ivy Snow
Wilson, Margaret Jane M.D.
Wood, Alethea Arabella
Wrinch, Leonard Brecken

Admitted to the Degree of Bachelor of Arts, Ad Eundem

Alfred, Victor, B.A.
Crawford, Mary, B.A.
Dobson, Harold Hierson, B.A.
Fleming, W. Stuart, B.A.
Forester, Edith, B.A.
Hurdiaty, Esther, B.A.
Hutchison, Alice, B.A.
Maguire, Lorene, B.A.
Malholland, Elsie, B.A.
Nash, Ruby, B.A.
Poirier, Paul Emile, B.A.
Smith, Cairns Keith, B.A.
Taylor, John Gladstone, B.A.
Voyer, Adrien, B.A.
Willis, Errick French, B.A.
Wright, Thomas Hall, B.A.

Admitted to the Degree of Bachelor of Science in Arts

Cain, Ardis Ruth
Cain, Pauline Ulva
Fergusson, Lola May
Gardiner, Minnie William (with first rank Honours in Chemistry)

Good, Lorne (with first rank Honours in Chemistry)
Hart, Thomas
McGuire, John
McKitrick, Eva Annie
McLennan, Susan Isabel
Manser, Howard Lee
Robson, Helen MacGregor
Sanderson, James Owen Graham
Scroggie, Arthur, Galbraith (with first rank Honours in Chemis
Simpson, Mamie Shaw

Admitted to the Degree of Bachelor of Science in Arts, At Queen

Morgan, Stanley C., B. Sc.

Admitted to the Degree of Bachelor of Science in Pharmacy

Copeland, Earl Royal Palmer
Swanson, Alice
Whiteman, Dorothy Frances

Admitted to the Degree of Bachelor of Science in Civil Engineering

Bryden, Richard Burns (with first class General Standing)
Donaldson, Arthur
Simpkin, Douglas Benjamin

Admitted to the Degree of Bachelor of Science in Mining Engineering

Atkinson, Melles Henry
Butchart, Harold Tremayne

Admitted to the Degree of Bachelor of Science in Architecture

Giffen, Andrew Donald

Admitted to the Degree of Bachelor of Science in Agriculture

Coats, John Raymond
Hanna, William Fielding, B.A. (First Class General Standing)
Kemp, Arthur Thomas
McCall, Mack Bentley
MacDonald, William Duncan
Mather, Thomas Norbert
Phillips, Minard William
Thornton, Harold Ray

Admitted to the Degree of Bachelor of Laws

Alfred, Victor
Bascomb, John Edward
Cobbledick, Douglas Walker
Dawson, Henry Richard
Dickins, Francis Collingwood , B.A.
Emery, Howard Tracy, B.A.
Glanville, Arthur Tennyson McLean, B.A.
Kane, Edward William Scott, B.A.
Lawler, Thomas William, B.A.
MacLaren, Reginald Frederick
McLaurin, Colin Campbell
Noble, George Dinning
Ogilvie, James Harwood
Powlett, Charles Horatio Armand
Plummer, Norman Montagne
Puffer, Stanley Asa
Rain, Rose
Russell, James George
Semple, Stephen
Scott, Percy Crichton
Sinclair, Douglas Cameron
Smith, Sidney Bruce
Whiffen, Horace Ernest

Admitted to the Degree of Bachelor of Laws, At Sunion

Jamieson, Charles Frederick, LL.B.

Admitted to the Degree of Master of Arts

Anderson, Ernest Hjalmar, B.A.
Bainbridge, Joseph William, B.A.
Cobb, Lillian, B.A.
Gesner, John Richard, B.A.,B.D.
Hyde, Ernest Elmer, B.A.
Jampolsky, Moses, B.A.
Kelly, William Austin, B.A.
Line, William, B.Sc.
McCoskin, John Young, B.A.
Misener, George David, B.A.
Rowland, Robert Charles, B.A.,LL.B.
Tregillus, Muriel Claire, B.A.
Willis, Errick French, B.A.

Admitted to the Degree of Master of Science in Arts

Lehmann, Julius Ferdinand, B.Sc.

Admitted to the Degree of Master of Science in Applied Science

Lewis, John Wesley, B.Sc. (Mining)
Webb, Harry Randall, B.Sc. (Civil)

Admitted to the Degree of Doctor of Medicine ,Ad Eundem

Caldwell, Alexander Lorne, M.D.,C.M.
Tiffin, Melvin Erle, M.D.

Admitted to the Degree of Doctor of Laws, Honoris Causa

Frank Hamilton Newburn, M.D.,C.M.,LL.D.
His Grace, Most Reverend Henry Joseph O'Leary, D.D.,Ph.D.,J.C.D.

Diploma in Pharmacy

Carter, Vernon Ernest
Edlund, Alfred Eugene
Edwards, Harold Gladstone
Martin, Henry Albert
Pinsky, Samuel Irving
Sanders, Leonard Oliver
Third, James Alexander
Torrance, Clarence George
Vickerson, Frank Oliver
Watts, Charles William

Certificates in Special Course in Pharmacy

Christenson, Christian Peter
Crooks, George Clarence
Stewart, Walter Raymond
Stock, Halvard Peter

Certificates in Public Health Nursing

Bean, Bernice
Lonsdale, Clara
Reid , Annie Gertrude
Richardson, Zella
Staley, Mary Ann
Steeves, Emma Clarkson
Strem, Marylha
Wanson, Jennie

Professional Examinations

Since Convocation, 1931, the following persons have passed the examinations for Licence to Practise, conducted by the University on behalf of the Affiliated Professional Societies:

Accountancy- Bagnall, G.L.; Bishop, W.F.; Fidler, J.S.; Gardiner, R.W.; Johnstone, W.S.; McGuigan, A.P.; Rushworth, R.B.; Stockwell, E.A.; Weaver, S.T.; Wood, Wm.C.

Dentistry- Henry, L.D.; Kennedy, W.H.

Land Surveying- Lawrence, C.A.B.; McDonald, J.N.

Law- Bassarab, J.E.; Boyle, R.A.; Brown, H.E.; Calder, G.M.; Cobbledick, D.W.; Costigan, G.A.; Crosby, G.C.S.; Dawson, H.R.; Fair, E.B.; Fisher, Helen; Gibson, A.B.; Hazeltine, C.F.; Johnston, H.C.; Jones, J.I.; Jull, W.K.; Koch, A.; Kronick, I.H.; McCormick, J.S.; McLachlan, A.E.; McLaren, R.F.; McLaurin, C.C.; McKercher, L.E.; Millican, G.W.H.; Patterson, G.E.; Pennock, F.B.; Plummer, H.M.; Poffenroth, J.C.; Poole, S.I; Puffer, S.A.; Rein, Rose; Russell, J.C.; Samula, S.; Segers, J.H.; Simpson, A.; Sinclair, D.C.; Smith, S.B.; Snider, E.C.; Snow, C.E.; Stanton, H.E.; Sydie, J.K.; Valens, C.L.; Whiffen, H.E.

Medicine- Byers, E.C.; Caldwell, A.L.; Corbett, J.E.; Fish, F.H.; Guyton, F.; Henderson, E.F.; Jones, S.P.; MacBride, C.D.; McFarlane, G.L.; Scott, J.W.; Walton, R.A.; Wilson, P.M.; Wilson, Margaret;

Nursing- Allison, Grace; Austin, Edith; Beattie, Barbara; Beattie, E.J.; Bella, Helen, Binkley, Pleasant; Brown, Margaret; Carmichael, Marjorie; Carter, Alice; Cox, Eva; Cumberland, Mary; Craig, Sarah, Dagagood Eleanor; Ellis, Hazel; Fox, Pauline; French, Caroline; Farman, Phyllis, Gilmore, Hattie; Hankleman Lydia; Keefe, Mary; Lamb, Eva; Lanse, Pauline; Lotten, Minnie; McCullum, Lillies; Miller, Alida; Mercer, Alma; Middleton, Mary; Monlson, Florence; Mum, Meta; Nash. Jennie; Olson, Lena; Pingree, Anna; Proulx, E.J.; Robinson, Amelia; Sargent, Violet; Sutherland, M.; Stuckey, Hazel; Sundquist, Esther; Tiffing, Emma; Von Gruenigan, Bertha; Welch, Edith;

Optometry- Attwood, T.A.; Forster, F.M.; Houston, R.H.; Hulet, C.S.; McDermid, J.; McGie, M.; McMillan, J.; Williamson, T.E.; Zilliax, A.

Osteopathy- Guyton, F.

Pharmacy- McDermid, A.; McIntyre, E.L.

DONATIONS

The Aikins Scholarship in English Language and Literature- This scholarship was founded by Sir James Aikins who made a gift of $2,000 to the University, the income from which is used annually. It is open to graduating students who have pursued the study of English throughout the first three undergraduate years- the scholarship being tenable during the fourth year: provided that such students shall have obtained satisfactory standing in English 1 or its equivalent, and not less than seventy -five percent in each course in English taken during the second and third years and shall have obtained high standing in their other subjects.

The Stutchbury Research Prize- Mr. Howard Stutchbury of Edmonton offered a prize of $25 to be awarded at the spring Convocation to a fourth year student in the Department of Geology for a paper on original work- originality of method and presentation will be the basis of award.

The Alberta Pharmaceutical Association has founded during the year two gold medals, one for the final year of the Licensing Course and one for the final year of the Degree Course.

This Association has also given two prizes of $40 each, one for the first year of the Licensing Course and the other for the third year of the Degree Course.

The Rockefeller Foundation have continued their gift of $25,000 per annum for the promotion of the clinical services in the Medical School.

The Association of Professional Engineers of Alberta have donated three prizes of $100 each, one to each of the departments of Civil Engineering, Mining Engineering and Electrical Engineering.

The Northern Alberta Branch of the Canadian Institute of Mining and Metallurgy have donated a prize of $25 for competition in the graduating year and also a prize of $15 for competition in the third year.

The Club Laverendrye have founded a gold medal for the student taking the highest standing in the general course in French in the third and fourth years.

The Association of Professional Engineers of Alberta have donated three prizes of $100 each, one to each of the departments of Civil Engineering, Mining Engineering and Electrical Engineering.

The Northern Alberta Branch of the Canadian Institute of Mining and Metallurgy have donated a prize of $25 for competition in the graduating year and also a prize of $25 for competition in the third year.

The Gulf Refining Co. have donated a gold medal for the student making the highest standing in the general course in Forms in the third and fourth years.

THE CANADIAN UNIVERSITIES CONFERENCE

The eighth annual meeting of the Canadian Universities Conference was held June 16th and 17th at the University of Manitoba, Winnipeg. Nearly all the Universities of Canada were represented. The University of Alberta sent four representatives- President Tory, who was President of the Conference for the year; Dean Kerr, representing the Faculty of Arts; Dr. E. W. Sheldon, representing the Faculty of Applied Science; Dean Rankin, the Faculty of Medicine and Dean Howes, the Faculty of Agriculture.

The programme lasted for twofull days. The major subjects discussed were -

The further promotion of graduate studies in Canada,

The promotion of research on the problems connected with Agriculture,

The relation of the University to the training of teachers for secondary schools,

The possibility of promoting co-operation among the Universities in connection with scientific and industrial research.

The Conference was one of the most successful yet held and put forward as one of the major items of the programme for next year the better promotion of research and graduate studies.

THE CANADIAN UNIVERSITIES CONFERENCE

The eighth annual meeting of the Canadian Universities Conference was held June 10th and 11th at the University of Manitoba, Winnipeg. Nearly all the Universities of Canada were represented. The University of Alberta was four representatives. President Tory, who was President of the Conference for the year; Dean Carr,representing the Faculty of Arts; Dr. R. T. Gunton, representing the Faculty of Applied Science; Dean Rowin, the Faculty of Medicine and Dean Howe, the Faculty of Agriculture.

The conference lasted for two(2) days.The major subjects discussed were -

The further promotion of graduate studies in Canada,

The promotion of research on the problems connected with Agriculture,

The relation of the University to the training of teachers for secondary schools,

The possibility of promoting co-operation among the Universities in connection with national and industrial research.

The Conference was one of the most successful yet held and set forward as one of the major items of the programme for next year the better promotion of research and graduate studies.

Summer School

The University buildings and equipment were again used during July and August for the Summer School for Teachers conducted by the Department of Education as well as the University Summer School proper in which courses leading to the degree, as reported last year, are offered. In addition to courses offered in the work of the first year, courses were offered in the work of the second year according to the stated purpose of the Senate as set forth in last year's report. Combining this registration with those taking the teachers' work under the Department of Education, the registration was six hundred and fifty three. This is by far the largest Summer School conducted at the University. It might not be out of place to add that the Summer School has become a very important feature of the life of the teachers of the Province. The academic work conducted by the University itself is carried on wholly in their interest and a large number of teachers are taking advantage of the long holidays for getting forward with their studies. In addition to that, the social surroundings at the University, its residential accommodation, offer a unique opportunity to develop the social instincts of the teachers, a thing which cannot fail to be of service to them in their work.

One hundred and sixteen students registered for courses leading to a degree, of these sixty five were women and fifty one men.

Summer School

Of the students registered for University Summer School courses thirty-three were taking purely University work and not registered for Teachers' courses unier the Department of Education .

The registration was as follows-

First Year -	French 1,	part 1,	17
	"	" 2,	13
	French 3,	" 1,	16
	"	" 2,	12
	Latin, 1 & 3,	" 1,	5
		" 2,	5
	Mathematics 1,	" 1,	21
		" 2,	8
	Physics 1,	" 1,	22
		" 2	21
Second Year-	French 4,	part 1,	8
		" 2	5
	" 5,	" 1	8
		" 2	5
	Chemistry 1,	part 1	8
		" 2	5
	History 2,	" 1	7
		" 2	5
	Mathematics 7,	" 1	7
		" 2	5
Senior Courses-			
	Mathematics 62,	part 1,	8
	Education 53,		13
	Psychology 51,	part 1,	8
	" 55,	" 1,	7

Of the students registered for University Summer School courses
this year those doing virtually University work and not registered
for Elementary Courses under the Department of Education.

The registration was as follows:-

First Year - French 1, part 1, 17
" " 2, 13
French 2, " 1, 15
" " 2, 12

Latin 1 & 2, " 1, 9
" 2, 6

Mathematics 1, " 1, 21
" 2, 3

Physics 1, " 1, 22
" 2 21

General Year- French 1,part 1, 8
" 2
" 2, " 1 8
" 2 5

Chemistry 1,part 1 8
" 2 8

Biology 2, " 1 7
" 2 8

Mathematics 7," 1 7
" 2 8

Senior Courses-

Mathematics 23, part 1, 8

Education 33, 12

Psychology 31,part 1, 8
" 32, " 1, 7

Conference For Young Farm Persons

The fourth University Week for Farm Young People was held during the week of June 7th- 13th, with a total attendance of ninety-seven, being a decrease of seventy-seven from the conference of the preceding year. The decrease is thought to be due to financial conditions in the agricultural communities. A varied programme of practical agriculture, physical education, and general culture was put on. The general opinion expressed was that this fourth conference was the best of the series so far. A similar gathering is planned for the week of June 6th-12th of next year.

Conference For Young Farmers

The County Privately Owned for Farm Young People was held during the week of June 17th, with a total attendance of ninety-seven, being a decrease of seventy-seven from the conference of the preceding year. The decrease is thought to be due to financial conditions in the surrounding communities.

A varied programme of practical agriculture, physical education, and general culture was put on. The general opinion expressed was that this fourth conference was the best of the series so far. A similar gathering is planned for the week of June 23rd of next year.

New Buildings

No extensive building programme was undertaken during the year. The urgent need for further barn accommodation in the Agricultural Department was met by the completion of buildings for horses, sheep and hogs. In this department the objects aimed at were completely attained. There is, however, pressing need for a Dairy building and a home for the department of Agricultural Engineering and, in addition, a further extension for the work of farm dairying. It is hoped that it will be possible to make provision for this expansion during the coming year.

The pressing need mentioned last year for a Gymnasium so as to make adequate physical training possible still remains. At present, we are doing the best we can do in a part of the building set apart for the dining room and in Convocation Hall, but this at best is only a makeshift arrangement.

New Buildings.

Science Association

The work of scientific research mentioned last year has been carried on with continued success. The list of scientific publications from the University during the year is the best indication of the development of the spirit of scientific research in the University.

It is also worthy of special mention that during the year Dr. Collip, who had leave of absence from the University for the purpose of research, worked in the laboratories of the University of Toronto along with Messrs. Banting, Best, and Macleod on the search for the cure of diabetes which ended so successfully. Dr. Collip's contribution to the discovery they made was of first importance. He returns to us for the coming session and will continue his work in our own laboratories.

Research Council

The scientific work under the Research Council has also been carried on during the year with vigour. Mr. Stansfield continued to devote his whole time to the coal problems and Dr. Clark to the problem of road materials. We are happy to report that Dr. Clark succeeded in finding a simple method of separating the bitumen from the sand in the material taken from the tar sand areas of the North. During the coming year, effort will be made to apply his method of separation in a commercial way so as to make possible the beginning of the development of the tar sand areas. We are firmly convinced that this is a matter that will ultimately be of great significance to the Province. Mr. Stansfield still continues to act as Consulting Engineer to the Lignite Board of Canada. Much additional equipment was ordered during the year and some of it is already in position. Great improvements in this connection will be made possible before another year passes.

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The Freshman Committee

At the beginning of the session, this committee was responsible for the registration of the first year students and the new students of the second year. Each student interviewed his adviser, particular attention being given to those students who had to decide whether to enter a professional faculty immediately, or to choose a combined course, or to devote a year to the common curriculum laid down for Freshman in Arts.

The Committee carried out the various policies outlined in my last report. The interviewing of students which began at registration continued throughout the session, and the members of the Committee devoted a great deal of time to this friendly counsel. The comparatively few students who appeared to be serious failures were warned at once that their records must be made satisfactory if they were to continue in the enjoyment of the privileges of the University; in these cases, the executive committee has in conference with the students attempted to discover and remove the causes of his difficulty; and moreover, through communicating with his parents or guardians, the committee has sought to secure the co-operation of the home.

In assisting the new students to get their bearings and to realise their responsibilities a number of lectures were given to the whole Freshman Class. These lectures discussed the control of the University by the public; the responsibilities of the Board, the Senate, the President, the Faculties and the Students' Union; the investment made by the province in each student; the value of higher education; the principles governing the choice of a useful vocation.

The Freshman Committee

The Freshmen in Arts were asked in March to fill out a questionnaire which would provide information as to their vocational plans. As the result of a careful study of their replies, the Committee was in a position to give guidance to several students and refer others to proper sources of information. The attention of some of these students was called to the honours and combined courses.

A matriculation bulletin, prepared by the Registrar and this committee, was issued in April by the Department of Extension as a Press Bulletin. This covered in a general way, the matriculation requirements of the various faculties, described for the prospective student the procedure on coming up to the University, and advised early consideration of several important points usually altogether overlooked.

The Committee during the session gave careful consideration to the many factors entering into the success or failure of the new students and when it was deemed necessary, information concerning the students' progress was communicated to their parents. While it is important that for their own sake as well as in the interests of their fellows the few unwilling students should withdraw, the greatest emphasis is laid upon constructive measures looking to the stimulation of real interest and real effort on the part of all.

I attach herewith as Appendices to this Report the following special reports :

The Report of the Faculty of Agriculture, as Appendix I.

The Report of the Department of Extension, as Appendix II.

The Report of the Provincial Laboratory, as Appendix III.

The Report of the Industrial Laboratory, as Appendix IV.

The Report of the Publications and Research done by Members of the University Staff, as Appendix V.

I submit herewith as Appendix to this Report the following special reports:

I. The Report of the Society of Agriculture, as Appendix

II. The Report of the Department of Education, as Appendix

III. The Report of the Provincial Laboratory, as Appendix

IV. The Report of the Provincial Laboratory, as Appendix

V. The Report of the Publications and Research done by Members of the University Staff, as Appendix

APPENDIX I

THE REPORT OF THE FACULTY OF AGRICULTURE

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1922

The enrolment of students in the College of Agriculture for the year 1922 was as follows:

Spring Term

First Year	36
Second Year	13
Third Year	8
Combined Course - Arts and Agriculture	13
Total	70

Fall Term

First Year	27
Household Economics (Girls)	6
Second Year	28
Third Year	12
Combined Course - Arts and Agriculture	11
Graduate Course	3
Total	87

REPORT OF THE REGISTRAR OF MATRICULATION

FOR THE YEAR 1952

The enrolment of students in the College of Agriculture for the year 1952 was as follows:

Spring Term

First Year	23
Second Year	13
Third Year	6
Combined Course - Arts and Agriculture	
Altare	15
Total	70

Fall Term

First Year	27
Household Economics (Girls)	6
Second Year	20
Third Year	12
Combined Course - Arts and Agriculture	
Altare	11
Graduate Course	5
Total	87

Report of the College of Agriculture for the Year 1922

The above statement of enrolment marks an increase in attendance despite the prevailing adverse conditions. Our students are practically all from country homes, and a fair percentage intend to continue farming.

It will be remembered that students taking a certain standing of qualification at the Provincial Schools of Agriculture are eligible to enter the University for the three year course leading to the B.S.A. degree. Students holding similar credits from other institutions are also admitted. Of the seventy-three students in the three year courses practically all have come through the Schools of Agriculture. A small number of those would have been well advised to secure further foundational education before entering the University, the general tendency of such in the University being to elect to take the degree in four years rather than in three.

Our present senior year has shown a decided tendency to specialize in Field Husbandry or Soils. In this final year we allow a choice of subjects that will enable a student to major in the direction of the work that interests him most - this is detailed in the University calendar. Last year several of our graduates majored in Animal Husbandry; this year but two out of the twelve

have followed this course. This is simply an indication of the variation in interests in the different years.

It will be noted that there are six students entered for the degree of B.H.Sc. These girls are from the Schools of Agriculture, this part of the Domestic Science work being under the direction of the Faculty of Agriculture.

The Combined course covers six years, at the successful completion of which the student is entitled to the degrees of B.A. and B.S.A. This is one of the most useful courses put on at the University. These men will automatically enter professional work.

A certain amount of graduate work is being undertaken by all institutions, and as we have men on our staff who are specially qualified to give this work, it was thought well to make a beginning in offering such training to a limited number of students.

As in other years no attempt is made to report upon the work of the departments which are not directly agricultural, the departments which serve the needs of more than one Faculty. Our students have definite courses in Chemistry, Physics, Biology, Bacteriology, Geology,

Political Economy, English, Mathematics.

The following is a report by departments of what may be described as the directly agricultural work of the College:

DEPARTMENT OF HORTICULTURE

The permanent planting of shrubs and trees in the grounds came through the winter with little loss. In the trial plots the same was true with regard to the trees and bush fruits, shrubs, hedges and all but one or two of the perennials. Winter killing was the most severe in seven years with strawberries, ten varieties were killed outright, of five only a few plants were left. The heavy losses were due without doubt to the fact that owing to the dry fall many of the runners did not root and of course died. The mother plants having to support these runners were drained and they too succumbed.

The spring was favorable but dry, a good showing of bloom was made and a normal amount of currant and raspberry fruit set. Plums were cut off by a late frost. Two varieties of crab-apples fruited a few apples on each of three trees. Currants and raspberries made about a half crop on account of the dry weather.

Political Economy. English. Mathematics.

The following is a report by departments of what may be described as the directly agricultural work of the College.

In all some 100 varieties of flowers were grown side by side for comparative and instruction purposes. These gave the poorest showing ever made, until the early fall, when favorable growing weather and absence of frost produced a wonderful display. Seed was saved from choice plants of some fifty varieties.

DEPARTMENT OF POULTRY

Our students have received practical courses in Poultry at the Schools of Agriculture, and for that reason the absence of a Professor of Poultry Husbandry has not been such a serious matter. Certain instruction was given in good marketing, but as yet no organized course has been established. There is room for considerable research work in this department.

DEPARTMENT OF DAIRYING

The Department of Dairying is in a position now to do valuable work. Their quarters are temporary, but the equipment is good as far as there is room for it. The Professor of Dairying reports as follows:

> " I have to report that, in addition to the academic work put on by the Department of Dairying, short courses were provided in the latter part of April and early in May last for the purpose of special training and examination of candidates for the

Report of the College of Agriculture for the Year 1924

In all some 100 varieties of flowers were grown side by side for comparative and instruction purposes. These gave the poorest showing ever made, until the early fall, when favorable growing weather and absence of frost produced a wonderful display. Good use was made from choice plants of many fifty varieties.

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"I have to report that, in addition to the routine work put on by the Department of Dairying, short courses were provided in the latter part of April and early in May last for the purpose of special training and examination of candidates for the

> Provincial Cream Grading Service, established for the first time. I was assisted in the work by Provincial dairy instructors. The course consisted in lectures and laboratory practice covering the special phases of the work which were about to be initiated by the Provincial Department of Agriculture under the Dairy Commissioner's direction. Twenty-nine students were in attendance from various parts of the Province and the courses extended from April 26th to May 5th. A special short course was also put on at Calgary in connection with the same work and under the writer's direction, here nine students were in attendance, making a total of thirty-eight at Edmonton and Calgary."

The following extract from last years' report is added for obvious reasons:

> "There are several reasons why special attention should be paid to dairying in the near future. One good reason is the fact that the dairying products of Alberta already have a splendid reputation over a large area of America and Europe and this despite the fact that Alberta is as yet but a pioneer Province. Another very important reason is that dairying is generally recognized as the centerpiece in a scheme of good mixed farming and this is the only kind of farming that produces homes and insures a permanent population for the state. A third reason may be offered and that is that during this trying period of reconstruction, dairy products offer one of the surest sources of income to our producers."

Our plans are made to erect a fully equipped dairying building as soon as deemed practicable. There is a pressing need for such a plant, not only to give instruction to students, and in short courses, but to put under way certain research work which can be

carried on only at such a place and by specially trained men.

We are much indebted to the Dairy Branch of the Department of Agriculture for assistance in laboratory work, with our regular classes and particularly during our short courses.

DEPARTMENT OF AGRICULTURAL ENGINEERING

Outside of giving the regular course laid out for our students the Professor of Agricultural Engineering has carried on the following activities:

Lecture courses for (a) Soldier's Settlement Board.

(b) International Harvester Co.

(c) Short Course at Red Deer.

(d) Farm Young Peoples Classes at the University.

(e) University Week at Monitor.

Besides the above lecture work the Professor of Agricultural Engineering has been called upon to go as referee in cases involving legal differences in regard to machinery, and he has done considerable work in advising with several men as to the laying out of farmsteads, and the erection of buildings.

Special attention might be called to the address given at the Convention of the Alberta Agricultural Fairs

carried on only at such a place and by specially trained men.

We are much indebted to the Dairy Branch of the Department of Agriculture for assistance in laboratory work, with our regular classes and particularly during our short courses.

EXTENSION OF AGRICULTURAL TEACHING

Outside of giving the regular course laid out for our students the Professor of Agricultural Engineering has carried on the following activities:

(a) Lecture courses for (a) Soldier's Settlement Board.

(b) International Harvester Co.

(c) Short Courses at Good Year.

(d) Farm Young People Classes at the University.

(e) University Week at Windsor.

Besides the above lecture work the Professor of Agricultural Engineering has been called upon to go as referee in cases involving legal differences in regard to machinery, and he has done considerable work in advising with several men as to the laying out of farm drains, and the erection of buildings.

Special attention might be called to the addition given at the Convocation of the Ontario Agricultural Fairs

Association on the question of "The Plowing Match and its Value". Considerable interest was aroused at this meeting and a request was made to have a bulletin published. This was done accordingly in co-operation with the Department of Agriculture and as a result the Head of the Department judged at Plowing Matches held at Lamont, Vermilion, Rochester and Lacombe. The matter of good plowing in the general scheme of good farming has become better recognized through this influence.

Acknowledgement is made to the different Agricultural Implement Companies that have contributed so generously to equipping the Agricultural Engineering Laboratory. A visit to this Laboratory proves very interesting and instructive. We need more floor space for this very purpose and when the time comes that a building is erected, the collection of all types and forms of agricultural machinery will be one of the most interesting features of our laboratory work.

DEPARTMENT OF ENTOMOLOGY

This new department is just getting well under way. We had planned to use a good part of the summer in survey work which would permit the collection of class-room material. This we have been unable to do

Association on the question of "The Plowing Match and its Value". Considerable interest was aroused at this meeting and a request was made to have a bulletin published. This was done accordingly in co-operation with the Department of Agriculture and as a result the Head of the Department judged at plowing matches both at Lamont, Vermilion, Rochester and Innisfree. The matter of good plowing in the general scheme of good farming has become better recognized through this influence.

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This new department is just getting well under way. We had planned to use a good part of the summer in survey work which would permit the collection of class-room material. This we have been unable to do

because of the serious menace to agriculture from the grasshopper plague. Our Professor of Entomology directed the carrying out of the campaign put on by the Department of Agriculture to combat this menace, and spent practically all of his summer at this work. It is hoped that more time will be found available during the coming season.

Acknowledgement is here made to the Department of Agriculture for the collection of insects which has been donated to the University for entomological laboratory work.

A very real need for such services as our Professor of Entomology is able to give is already manifest, requests for articles in periodicals, and quiries from individuals all over the Prairie provinces are now making quite a demand upon this department.

DEPARTMENT OF SOILS

The staff of the Soils Department was strengthened during the year by the addition of Dr. J.D.Newton and Mr. F.H.Mather. Two parties were equipped and sent into the field during the latter part of May. Up to the present time the field work in connection with a preliminary soil survey of approximately 216 townships representing about five million acres have

been completed. Of this amount about twenty townships or approximately 460,000 acres were surveyed during the summer of 1921. The remainder, about four and a half million acres, was surveyed during the past summer by the two parties which were in the field about five months.

The above area occupies a strip of territory forty-eight miles wide between Macleod on the south, Banton on the north, and the foothills on the west, and extends eastward to the boundary line between Alberta and Saskatchewan.

In addition to the above area nine townships, including and surrounding the Remount Reserve in range three, townships 20, 21, and 22 were surveyed. A report and a map of this area will be presented to the Department of Agriculture during the coming Legislative Session.

A report on the Macleod sheet or the area between townships 8 and 17 and ranges 16 and 27 including soil map showing the area and location of soil types and their descriptions, together with mechanical and chemical analyses of the various soil types will be published in the near future. The chemical analyses,

including the determination of nitrogen, phosphorus, calcium, magnesium, moisture, and inorganic carbon for about sixty per cent of the samples from the Macleod sheet have been completed. Before the report can be published, however, it will be necessary to complete the analyses of the remainder of soil samples from this area, together with the potassium determination for the entire sheet. No potassium determinations have as yet been made owing to the fact that we were not equipped for this work. The equipment for this work has recently been provided. Analyses for the Medicine Hat Sheet will be continued during the coming summer.

The department has also spent considerable time determining the nature and the amounts of the alkali salts in soils from certain districts of this province. Such determinations have been made upon about one hundred and fifty samples of soil and water.

Many miscellaneous samples submitted by farmers have been analyzed and reports rendered.

The heavy demand for laboratory work has made it necessary to extend laboratory facilities and we have recently equipped another research laboratory together with adding certain apparatus to our original laborat-

ories.

Acknowledgement is here made of the fact that the Department of Agriculture has borne the cost of the field work of our soil survey.

DEPARTMENT OF ANIMAL HUSBANDRY

Horses

The number of horses maintained by this department includes thirteen pure-breds made up as follows; 6 Belgians 5 Percherons and 2 Clydesdales. In addition there are 6 grade work horses and 3 others that are used for lighter work. Two of the Belgian mares and one of the Percherons produced foals during the year.

With the completion of the new horse barn a year ago we are now in a position to provide suitable accomodation for our horses. While no experimental work has as yet been started in connection with this class of stock, it is hoped that as our supply of younger horses increases, work of such a nature will follow.

Beef Cattle

The pure-bred breeding herds are represented by Shorthorns - 16 head females and the herd sire. Herefords - 6 cows and heifers together with two bulls. Angus - 6 females. In the pure bred steer herd is

ortion.

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Herefords - 6 cows and heifers together with the bull.
Angus - 6 females. In the pure bred steer herd is

included 8 Herefords, 5 Shorthorns, 5 Aberdeen Angus, and 1 Galloway. In addition there are 6 grade and cross-bred steers and heifers. A total of 16 head of nurse cows with their calves complete the beef herd.

In connection with the experimental steer feeding work 72 steers varying in age from calves to two year olds were purchased in November and are being carried over until March or April.

Dairy Cattle

Due to the fact that there is not as yet a suitable building to take care of a large herd of dairy stock the development of this particular class of cattle has not been pushed to the same extent as the beef herd. In Holsteins we have 17 females and 4 males. The Jersey herd consists of 14 females and 1 bull. It is hoped that during the next year a start may be made in the establishment of a small herd of Ayrshires.

Sheep

A comparatively large flock of sheep is kept on the University farm. This is justified from two main standpoints: considerable experimental work is being done in connection with the various problems relating to sheep husbandry, and in order to conduct this work

Report of the College of Agriculture for the Year 1922

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A comparatively large flock of sheep is kept on the University farm. This is justified from two standpoints: considerable experimental work is being done in connection with the various problems relating to sheep husbandry, and in order to conduct this work

satisfactorily a considerable number of grade ewes is necessary. There is a fairly keen demand for breeding rams which can very well be supplied from the increase in the pure bred flock. The pure bred flock consists of: Hampshires 46; Suffolks 15; Leicesters 14; and Shropshires 10. In addition there are approximately 150 head of grade ewes.

Swine

In connection with swine the major breeding work is being carried on with Berkshires and Tamworths. A few Duroc. Jerseys, and Poland Chinas are maintained for class-room work. The Berkshire herd includes 35 head of which 26 are sows and gilts. Tamworths consist of 35 females and 4 boars. A reasonably large number of grade and cross-breds are kept for experimental feeding. On hand at present there are about 130 head of these.

EXPERIMENTAL WORK FINISHED IN 1922 AND NEW TRIALS THAT ARE BEING CONDUCTED

From the results of the experiments completed in 1922 valuable data were secured. This is of great importance to the live stock industry of Alberta as well as throughout the Dominion and United States. The information secured from these experiments, together with others will be published

Report of the Guinea of Yorkshire for the Year 19 8

satisfactorily a considerable number of grade ewes is necessary. There is a fairly keen demand for breeding rams which can very well be supplied from the increase in the pure bred flock. The pure bred flock consists of: Hampshires 16; Suffolks 18; Leicesters 14; and Shropshires 10. In addition there are approximately 150 head of grade ewes.

Sales

In connection with sales the major undertaking work is being carried on with Yorkshires and Tamworths. A few Duroc Jerseys, and Poland Chinas are maintained for clean-cross work. The Yorkshire herd includes 35 head of which 15 are sows and gilts. Including a total of 30 females and 4 boars. A reasonably large number of grade and cross-breds are kept for experimental feeding. On hand at present there are about 150 head of these.

by the University whenever sufficient data are secured to warrant definite conclusions to be made.

Feeding Beef Steers (Expt. 32)

The steer feeding experiment completed April 21, 1922, was along similar lines with the trial completed in 1921. The data secured from the lots fed oat silage, and sunflower silage coincided with the results of the previous experiment. The feeding of oat silage and pea silage resulted in larger gains, more efficient utilizations of the feeds fed, better finish, and more profit than when sunflower silage was fed. The analysis of these two silages peas and oats, and oats when based on water free weights, showed a higher total amount of crude protein, crude fiber, crude fat and nitrogen free extract than sunflower silage.

The foregoing statement is subject to such modification as may possibly be furnished by variation in such factors as location and strain of sunflower. Also it must be noted that these experiments, so far, have had to do with fattening steers only, and the results have consequently little application to feeding dairy cattle.

Two lots of steers fed oat hay and prairie hay respectively together with a full feed of grain gave

pronounced results in favor of oat hay. Further data on the comparative feeding value of these two hays will be secured in the present feeding experiment to be completed in the spring of 1923.

Swine feeding Experiments

In the fattening of early fall pigs (Expt. 31) during the winter it was found that there was little or no difference in the feed requirements when compared with the fattening of spring pigs. Due, however, to the higher price of pork in the spring, a greater profit was secured from the raising and feeding of fall pigs than spring pigs. Early fall pigs fed on cooked feed during the winter did not make as large gains as those self-fed dry feed, due to the inability of the pigs to consume as much feed, even when fed three times daily, as those self-fed dry feed.

In the brood sow feeding experiment (No. 36) additional data were secured on the following problems:

1. The influence of feeds on the production of hairless pigs.
2. To compare the effects of oats and barley and mixtures of them when fed to pregnant sows.
3. To compare the practice of breeding gilts with aged sows for economy, size of litter, and condition of offspring.

Statistics are also being compiled for the cost of

pronounced results in favor of dry hog. Further data on the comparative feeding value of these two hogs will be secured in the present feeding experiment to be completed in the spring of 1923.

feeding cows, raising spring pigs, raising fall pigs on pasture and without pasture.

Sheep Feeding Experiments

Three years' work on roughages for pregnant ewes has been completed. Nine separate rations including four of the common hays have been compared when fed to pregnant ewes. The effect of these rations on the ewe during pregnancy and on the condition of the lambs was studied. The results will be of great value to sheep breeders of the province, and will be published in Bulletin 1, of the College of Agriculture.

Experiment 39 in which various roughages and amounts of grain were compared for fattening lambs showed that lambs fed heavily on grain made more profit than did those on one pound grain, when the roughage was alfalfa hay. It will take an additional year's work to determine the rank of oat hay with the other roughages, since the maturity of the oat hay is an important factor in the nutritive value of the feed for lambs. An experiment to determine the effects of breeding lambs was conducted but no definite conclusion can be made until further data are secured.

Experiments being conducted during the Winter of 1922

Steer Feeding Experiment

A new problem has been undertaken in the present

experiment. Due to the market demand for steers weighing between 1000 and 2000 pounds, and the premium paid for baby beef, it seemed advisable to include in the experiments three lots of steers, one lot being calves, one lot yearlings and one lot two-year-old steers. The data from these three lots will show the rapidity of gains, economy of gains, and profit of steers fattened at the various ages. It was also felt necessary to include a comparison of oat and sunflower silages as oats is the leading grain crop in Northern Alberta, and since little work has been done elsewhere in the feeding of oat silage to live stock. Oat hay is being compared with Prairie hay for fattening steers on a basal ration of oat silage and grain. A comparison of common and good feeder steers has also been continued though under a slightly different plan.

Sheep Feeding Experiment

The pregnant ewe experiment is being conducted along slightly different lines, since the comparison of roughages has been completed. Since oat hay proved to be a poor roughage for feeding pregnant ewes, various supplements have been added to oat hay to determine whether or not these supplements will supply the deficiencies of oat hay. The comparison of oat silage and sunflower silage is included

Report of the Judging of Petunias for the Year 1926

in the present experiment to note the effect on the ewes and offspring.

Data are being secured on comparing the practice of breeding ewe lambs with that of breeding yearlings.

Swine Feeding Experiment

In order to obtain further information, experimental work relating to the following questions is being carried on this year.

1. The relative cost of raising fall and spring litters
2. Various grain mixtures for wintering growing pigs.
3. Cooked v.s. uncooked feeds.
4. Feeding value of cooked potatoes.
5. Indoor vs. outdoor use of self feeder.
6. Use of potassium iodide to prevent hairless pigs.
7. A comparison of the breeding capacity of gilts and aged sows.

Feeders' Day

The first Feeders' Day conducted by this department was held on April 21st. 1922. The object of this gathering was to give the live stock men and farmers generally an opportunity to get into closer touch with the results of the various feeding trials carried on at the University and to discuss other live stock questions confronting the the live stock breeders of this province. Approximately

Report of the College of Agriculture for the Year 1922

In the present experiment to note the effect on the
crop and offspring.

Pigs are being secured on a basis for the premium of
breeding one lamb with that of lowering mortality.

Dairy Cattle Experiment

In order to obtain further information, experimental
work relating to the following questions is being carried
on this year.

1. The relative cost of raising fall and spring litters
2. Various grain mixtures for winter dairy cows.
3. Cooked vs. uncooked feeds.
4. Feeding value of cooked potatoes.
5. Indoor vs. outdoor use of well feeder.
6. Use of potassium iodide to prevent heifers slip.
7. A comparison of the breeding capacity of pigs
and sows.

Feature Day

The first Feature Day conducted by this department
was held on April 21st, 1922. The object of this holi-
day was to give the live stock men farmers opportunity
to discuss their live stock problems with the results
of the various feeding trials carried on at the University
and to discuss other live stock problems. Approximately
the live stock breeders of this province.

125 were in attendance including farmers, packers, live stock commission men, investigators, representatives of the Dominion and Provincial Department of Agriculture and representatives of the different agricultural journals.

The animals representing the groups in the various feeding trials were utilized so that those present were able to see at first hand the results of such work. Judging by the keen interest shown by those in attendance it would appear that this is one of the very best methods of giving publicity to our experimental work. It is our aim to hold another Feeders' Day next spring at the conclusion of the experiments in progress this winter.

Steer Exhibit

Two years ago the University in co-operation with the leading live stock breeders of Alberta made its first exhibit at Chicago and Guelph Fat Stock Show.

This year another group of steers, for the most part donated by the breeders of the province to the University, was shown at the Royal Show in Toronto, the International at Chicago and the Provincial Winter Fair at Guelph.

The following gives the names of the animals, together with the breeder of each, that made up the 1922 exhibit:

Report of the College of Agriculture for the Year 1923

Shorthorns

Name of Steer	Breeder	Address
Kinmel Dreadnought	J. Bertram Ralphs	Calgary
Sir Andrew	J.L.Walters	Olive
Craven Meteor	J.C.Yule	Carstairs
Cassalta Lovely Beau	J.G.Clarke & Sons	Clark Manor
Craigievar Mascot	Wm. Sharp	Lacombe

Herefords

W.S.Gay Lad	F.Collicut	Crossfield
Bonnie Lad 31st	S.E.Mace	High River
Beau Saskatoon	S.Downie & Sons	Carstairs
Perfect Fairfax	Hon.W.R.Smith	Camrose
U.A.Beau Donald	University of Alb.	Edmonton.
Beau Perfection	W.D.Blair	Red Deer

Aberdeen Angus

Innisfree Alberta Type	Loftus & Dickson	Innisfree
Lloydminster	A.V.& A.W.Jaggins	Lloydminster
Knight of Willow Park	C.H.Richardson	Bowden

Galloway

Medalists Best	R.A.Wallace	High River

Grades

U.A.Victor	University of Alb.	Edmonton
U.A.Supreme	" " "	"

Report of the College of Agriculture for the Year 1922

Winnings of the University of Alberta Steers at the various shows.

Toronto

Shorthorns

Senior Yearlings

3rd. on Sir Andrew	Bred by	J.L.Walters	Clive
4th on Kinmel Dreadnought	"	J.E.Relphs	Calgary

Junior Yearlings

1st on Casalta Lovely Beau	"	J.G.Clark & Sons	Clark Manor
4th on Craven Meteor	"	J.C.Yule	Carstairs

Senior Calves

2nd on Craigievar Mascot	"	Wm.Sharp	Lacombe

Champion Shorthorn Steer - Casalta Lovely Beau

Herefords

Senior Yearlings

2nd on W.S.Cny Lad	Bred by	F.Collicut	Crossfield

Junior Yearlings

1st on Perfect Fairfax	"	Hon.W.Smith	Camrose
2nd " Beau Saskatoon	"	G.Downie & Sons	Carsta
4th " Bonnie Lad Slat.	"	S.M.Luce	High Rive

Senior Calves

2nd on U.A.Beaus Donald	"	University of Alberta	

Report of the College of Agriculture for the Year 1932

Junior Calves

3rd. on Beau Perfection Bred by S.W.Blair Red Deer

Aberdeen Angus

Junior Yearlings

3rd on Lloydminster " " A.V.& A.W.Juggins Lloydminster

Senior Calves

2nd on Knight of Willow Park " " C.H.Richardson Bowden

Grades and Cross Breds

2nd on U.A.Victor " " University of Alberta

4th " " " Supreme " " " " "

NOTE: There were no classes for Galloways at Toronto

Chicago

Galloway

Junior Yearling

1st on Medalists Best Bred by R.A.Wallace High River

Champion Galloway Steer - Medalists Best

Shorthorns

Junior Yearlings

4th on Casalta Lovely Beau Bred by J.G.Clark & Sons Clark Manor

Senior Calves

7th on Craigelvar Mascot " " Wm. Sharp. Lacombe

Report of the College of Agriculture for the Year 1922

Herefords

John Clay & Co Special for Junior Yearlings of any bred, grade or cross.

2nd. on Beau Saskatoon Bred by J.Downie & Sons Carstai

Junior Yearlings

9th on Perfect Fairfax " " Hon F.Smith Camrose

11th " U.A.Beau Donald " " University of Alberta

Grades & Cross Breds

Junior Yearlings (open class)

4th on U.A.Victor Bred by University of Alberta

Shorthorn Special for best grade or cross bred steer sired by Shorthorn bull

1st on U.A.Victor Bred by University of Alberta

Guelph

Shorthorns

Senior Yearlings

3rd. on Sir Andrew Bred by J.E.Walters Clive

4th on Kinmel Dreadnought Bred by J.B.Ralphs Calgary

Junior Yearlings

1st on Casalta Lovely Beau " " J.J.Clark & Sons Clark Manor

6th on Craven Meteor " " J.C.Yule Carstairs

Senior Calves

1st on Craigievar Mascot " " Wm. Sharp Lacombe

Champion Shorthorn Steer - Craigievar Mascot

Reserve Champion Shorthorn Steer - Casalta Lovely Beau

Report of the College of Agriculture for the Year 1932

Herefords

Steers 1 year and under 2

1st on Perfect Fairfax Bred by Hon. J. Smith Camrose

Steers under 1 year

2nd on Beau Perfection " " S.H.Blair Red Deer

3rd. " U.A.Beau Donald " " University of Alberta

Aberdeen Angus

Junior Yearlings

3rd on Lloydminster " " A.V.& A.H.Juggins Lloydminster

Senior Calves

1st on Knight of Willow Park Bred by C.E.Richards n Bowden

Grades and Cross Breeds

Yearlings

2nd on U.A.Victor " " University of Alberta

4th " U.A.Supreme " " " " "

Prince of Wales Special for best group of three beef animals - any age or sex.

1st on Craigievar Mascot
Casalta Lovely Beau
U.A.Victor

Best group of three steers over 1200 pounds

2nd on Casalta lovely Beau
Perfect Fairfax
U.A.Supreme

Report of College of Agriculture for the Year 1922

Best Group of five steers between 1000 and 1200 pds.

1st on Bonnie Lad 21st.
Dean Saskatoon
Lloydminster
Knight of Willow Park
U.A.Victor

Best Group of three steers under 1000 pounds

1st on Craiglevar Mascot
U.A.Beau Donald
Beau Perfection

NOTE: There were no classes for Galloways at Guelph. At all these shows the exhibit of steers from the University of Alberta attracted considerable attention and a good deal of favorable comment was heard with reference to the showing made. In competition with the best live stock produced on the North American continent, steers bred in Alberta and fed Alberta grown feeds have made a very creditable showing.

Improvements

Each year sees considerable development and improvement in the way of new buildings, additional fences and clearing of land in connection with the farm. This fall we were able to grade the lane running through the centre of the new farm which provides easy access to all the fields. Further progress was made in the way of fencing, 1500 rods of new fence being put up last summer. This

adds much to the general appearance of the new farm. In order to provide for additional accomodation for the herd of grade cows a frame barn 75 X 30 was erected just south of the large beef barn. The painting of the new horse barn, hog pen and sheep barn has very materially improved the appearance of these buildings.

In order to provide for sufficient exercise for the horses several new corrals were constructed just north and east of the new horse barn.

New Stock Purchased

With a view of establishing a herd of Yorkshires at the University farm, four sows and a young boar have been purchased recently. These animals should prove a valuable asset to the herd and in addition to providing class-room material for our students will, in time, be a source of supply of breeding stock of this increasingly popular breed of hogs to the farmers of the province. A young Berkshire boar and an imported Suffolk ram complete the additions to our live stock for this year.

DEPARTMENT OF FIELD HUSBANDRY

Projects

1. ~~Testing varieties of wheat, oats, barley and peas~~ to determine whether our present varieties are suitable for

our peculiar conditions in the Park Belt. Five-year tests just completed indicate that most of our present standard varieties are too late and are thus not sure. If suitable, they are low in yield. Greater productiveness in grain crops for all parts of the province is also sought as a means of aiding in cheapening production costs.

2. Breeding and selecting promising varieties of grain crops. In wheat (a) Greater earliness consistent with high production, milling, baking and other essential qualities, for northern and central Alberta.

(b) Greater productiveness than now obtains in present standard varieties consistent with high milling, baking and other essential qualities for southern and eastern Alberta.

Several very promising varieties of wheats are already beyond the experimental stage and will be ready for distribution for all parts of the province. One wheat of exceptional productiveness, yielding 9 bushels more than Marquis during the last three seasons, will be included for cooperative tests this year, with members of the Alberta Crop Improvement Association.

In Oats: Two superior strains, one each of Banner and Victory, have been isolated, and were distributed for

our peculiar conditions in the Dark Belt. Five-year tests just completed indicate that most of our present standard varieties are too late and are thus not suited to early, that are in trials. Greater productiveness in grain crops for all parts of the province is also sought as a means of aiding in checking production costs.

3. Breeding and selecting promising varieties of grain crops. In wheat (a) greater earliness combined with high production, milling, baking and other essential quality, for northern and central districts.

In present standard variation combined with milling, baking and other essential qualities for southern and southern districts.

Several very promising varieties of wheats are already beyond the experimental stage and will be ready for distribution for all parts of the province. One wheat of exceptional productiveness, yielding 5 bushels more than Marquis during the last three seasons, will be tried out for cooperative tests this year, with members of the Alberta Grain Improvement Association.

In Oats: Two superior varieties, one type of banner and Victory, have been isolated, and grain distributed for

trial two years ago. These are pure line strains, which are somewhat earlier than the parent sorts, are pure, productive and of excellent quality.

In Peas: Selection of a strain of Golden Vine promises to meet a real need in this crop. Earliness, quality and high yield combined with medium to small seed, is the desideratum in peas. These good points are combined in an unusual way with this strain of peas.

In Barley: In anticipation of much greater demand for barley by the feeder in the near future, much breeding work has been under way for four years with this crop, with a view to popularizing it. This is being attempted by modifying the beard through crossing, so that it will be less objectionable to the harvester, thresher, and stock feeder. The normal barley beard is equipped with hooked barbs, which render the crop so unpopular as to be little used even in countries where it can fill a real economic need. Barley is undoubtedly the "corn crop" of Alberta, and must be rendered useful. Crossing work already well advanced in the Department, has yielded a smooth-awned, barbless, bearded barley, both two and six rowed, but further selection and crossing work is necessary to enable them to compete with barleys now available.

In Potatoes: Selection of such standard varieties as Irish Cobbler, Early Ohio, Wee McGregor and Netted Gem, to produce relatively disease-free stock, to offer as Elite stock seed for distribution and multiplication among potato growers, is giving excellent promise. Much seed has already been distributed.

In Clovers. Exhaustive trials in clovers secured from all conditions as regards altitude, winter temperatures and drought, similar in all or even one respect, have given very valuable results. A clover introduced from Sweden has shown its ability to withstand the low temperatures of most of our Alberta winters here at Edmonton, and many other points in the province. It has survived six winters perfectly, and has therefore been widely distributed for further testing. It has been named Altaswede.

3. Testing Alfalfas, Sweet Clovers and Alsike Clovers for winter hardiness and general usefulness. Grimm alfalfa and the White Blossomed sweet clover have each demonstrated that they can easily withstand the climatic conditions here, and can be made to contribute handsomely to our limited range of forage and feed crops in this province.

4. Testing of Sweet Clover in the open plains sections of the province to determine its drought hardiness. Reports

from these tests indicate that sweet clover is quite satisfactory when properly seeded in the dry sections as well as other parts of the province. These tests with farmers promise that Alberta agriculture will be well served with legumes in all parts by adopting sweet clover and alfalfa in the open plains, Altaswede, alfalfa, sweet clover and alsike clover in the Park Belt, and alfalfa, Altaswede and alsike under irrigation.

5. Testing varieties and strains of corn and sunflowers. These tests indicate that early strains of North Western Dent and such flints as Longfellow, King Phillip and North Dakota Flint succeed very well this far north. With sunflowers, the Giant Russian requires a long growing season, consequently this variety does not approach sufficient maturity to ensure the highest quality ensilage. Some earlier strains like Black Giant offer a partial solution to this question.

6. Determining the relative suitability of corn and sunflowers for the Park Belt. These tests conclusively show that sunflowers grow at lower temperatures than corn, withstanding from five to eight degrees of frost in both spring and fall without injury, while corn at such temperatures freezes. These tests further indicate that

sunflowers enjoy at least 20 days longer growing season than corn here at Edmonton, and explains in part its greater productiveness.

7. Selecting a suitable corn for such sections of the province as need a partial substitute for the bare fallow where it might be pastured or fed as ripe grain. Such a corn might also be suitable for other sections where a grain corn is desired. A new flint corn already discovered and developed, has been tested in many parts of the province in small tests, and will this year be tested in acre lots. This corn possesses splendid table qualities and may be used to combine both table and field corn qualities.

8. Growing alfalfa for hay and seed. These tests have been under way for the past five seasons and the results will very shortly appear in a bulletin on alfalfa.

9. Growing sweet clover for hay, seed, pasture, . These tests are now available in a bulletin which has just been printed.

10. Seeding red clover, sweet clover and timothy with a nurse crop of wheat, oats or barley. This project has been under way two years and therefore is not capable of yielding conclusive information.

7. Selecting a suitable corn for each position on the
[illegible] may be used a partial substitute for the more
fallow where it might be required or fed as ripe corn.
Such a corn might also be suitable for other positions
where a grain corn is desired. A new plant often already
discovered and developed, has been tested in many parts
of the province in small tests. It will also [illegible] be
tested in more tests. This corn possesses splendid table
qualities and may be used to combine both table and field
corn qualities.

8. [illegible] for her and mind. There under have been
under way for the past five seasons and the results will
very shortly appear in a bulletin on oilfats.

9. Growing sweet clover for hay, sand, pasture. These
tests are now available in a bulletin which has just been
printed.

10. Keeping red clover, sweet clover and timothy with a
nurse crop of wheat, oats or barley. This project has
been under way two years and information in now available
yielding conclusive information.

11. A study of the native grasses of Alberta with a view of utilizing the best of these in our agriculture. Observations have revealed that Western Wheat Grass, a wild grass in most parts of the south, seeds readily and is capable of re-establishing itself very quickly. It would seem that this grass might very well be grown for seed purposes, especially under irrigation, on a commercial basis, for use as a dry land grass, as a special means of reclaiming land that is being allowed to go back, and which in the meantime is growing weeds of various kinds. There are areas where land has been abandoned, due to its being low in fertility and subject to blowing, and it appears clear that such land might very well be seeded to such a grass as a means of reclaiming it and thus making it productive of pasture, and in the meantime the weeds will to some extent be held in check.

12. Determining the effect of arrested maturity of oats upon their suitability for seed purposes. This project was referred to in our report in 1921, and is still in progress.

13. Determining the precise physical and chemical effects of frost upon all kinds of seeds including wheat, oats, barley, flax and peas. As stated in 1921 this project

is yielding valuable information.

14. Growing sunflowers successfully for silage. Present available varieties are too late and when ensiled from seventy to eighty-five percent of their total weight is water, and thus, when ensiled this water is pressed out and runs down to the bottom of the silo, and either finds its way out or remains in and produces a badly colored, rather sour, unpalatable silage.

To alleviate this condition investigations are being carried out along the following lines:

(a) Early seedings.

(b) Thick seedings to induce greater earliness.

(c) Deferring ensiling of sunflower, after cutting to allow the moisture to pass off into the air. Over forty percent of this moisture has been found to pass off in three days. The sunflowers are wilted for varying lengths of time before ensiling, and the resulting silage studied as indicated in project #15. It is thought that a lower moisture content than is normally present in freshly cut sunflowers may result in better quality silage and less trouble from freezing.

(d) Selecting and breeding for shorter seasoned varieties and varieties of high dry matter content. Three promising early strains are being tested and

studied, viz., Black Giant (Emerson) Early Russian (Ottawa), and Alberta (University of Alberta).

15. Silage Investigations.

(a). Suitability of various crops and mixtures for silage.

Using small experimental silos, containing 200 to 300 lbs. each, sufficient silage is obtained to make possible simple palatability tests with live-stock, and a laboratory study of the character of the fermentation, the losses of nutritive materials involved, etc.

(b) Silage value of corn and sunflowers cut at different stages of maturity.

A careful analytical study, designed to show whether it would be profitable to use large varieties yielding a heavy tonnage of immature plants.

16. Effect of frequency of cutting of pasture and forage crops on total yield of dry matter and nitrogen.

A number of crops and mixtures, chiefly winter rye and spring grains, have been found to give approximately the same total yield of dry matter whether cut several times during the season (simulating pasturing), or only once at the end of the season. It is possible, however, that analysis of the samples retained will show the pasturing method to give a higher yield of nitrogenous food

material and less indigestible crude fibre.

17. Relative loss of vitality in storage of hulled and hulless timothy seed.

The object is to ascertain to what extent the seed trade is justified in discriminating against hulless seed.

18. Growth of corn and sunflowers in relation to climatic conditions.

A series of plots of corn and sunflowers were planted at successive dates, in the seasons of 1920 and 1921, and growth measurements taken three times per week. Complete weather records were kept, including continuous thermograph charts. The data are now being subjected to an exhaustive mathematical analysis, with a view to deriving fundamental information as to the growth adaptations of these crops, which may throw light on their suitability to various parts of this province.

19. Winter hardiness in wheat and other crops.

All theories advanced by previous workers as to the nature of cold resistance have been tested by a comparative study of a series of winter wheat varieties of known hardiness. A few theories have been found valid, and two important new ones have been advanced.

The object is twofold: (1) To discover the fundamental nature of cold resistance and thus put the problem

of breeding for cold resistance on a sounder scientific basis; and (2) to supply the plant breeder with a reliable "measuring stick" by which he may estimate accurately the hardiness of a new strain the first season, rather than be forced to test it in field plots for five or more winters.

20. To determine the most suitable crops for spring, summer and autumn pasture for dairy cattle, calves, hogs, This project is giving data on the following points;

(a) The most suitable crops, annual, biennial and perennial for pasture, when sown singly or in combination.

(b) Whether early seedings in May of Winter Rye will give pasturage only during the season in which it is seeded, or will it live over the winter and supply pasturage for the following spring, or will it winter kill?

(c) Whether an annual crop like Spring Rye, Oats, Peas, Rape, etc., is as suitable as a perennial or biennial like Alfalfa and sweet clover for summer and fall pasture purposes. Dry matter determinations are made as the basis of calculation. These tests will be reported upon in detail in bulletin form.

21. To study the effect on the resulting wheat crop of periodic tillage during the growing season, also to

determine the effect of tillage and intertillage on the moisture content of the various plots.

The question of intertillage of wheat or oats as a partial substitute for the bare fallow, as a means of controlling weeds and conserving moisture, is a very pertinent question at the present time. This project has been under way for two seasons and already shows some very significant facts.

22. To determine the effect on seed production of spring pasturing of winter or fall rye.

23. To ascertain the most suitable time to plow sod land.
(a) To destroy the sod and prevent growth of grass in the succeeding crop. This applies to sods like Brome, Western Rye, Timothy and Mixed Hay.
(b) Surface cultivation necessary to decompose the sod for a suitable seed bed.
(c) Conservation of moisture for the succeeding crop.

24. Testing sunflowers, oats and corn as to their relative economic value as field crops for ensilage.

Even after the best crop from the standpoint of feed has been determined, farmers will state that crops cannot be judged alone for their value for silage purposes, but

must be considered also from the standpoint of economical production. This project takes into account the yield of feed computed in terms of dry matter and digestible nutrients, resulting from all suitable silage crops.

25. Rotations.

We do not know the order which the common farm crops should take in our cropping system. Tests now under way are intended to show their proper sequence. Forty-five rotations were laid down in the spring of 1919. These experiments cannot give returns of value for several years, although the results to date are interesting and suggestive.

26. Potato Projects

(a) Testing for suitable varieties for commercial selling. This phase of our work has, at the request of the Edmonton District Potato Growers, been extended to include eight farms in the Edmonton and surrounding districts. These tests, based on yield and baking quality, have definitely shown that the Irish Cobbler, Early Ohio and Wee McGregor varieties, medium to early maturing potatoes, are the most suitable to climatic and soil conditions, in keeping with best commercial values.

(b) Methods of growing potatoes.

(c) Study of potato diseases, principally the Common Scab.

These are being studied in co-operative tests with potato growers, and also in field and greenhouse at the University. The common Scab, so peculiarly an Alberta problem, is responsible for heavy losses to the growers, in as much as it is prevalent in new as well as used soils.

Co-operative work with farmers

During the past three years a very great deal of extension work with farmers in all parts of Alberta has been developed. This has been due to two things - (1) the direct call on the part of the farmers themselves for information concerning crop and seed production and (2) the necessity of securing information on specific problems under conditions where the problem exists.

As a result three types of work have developed, namely

(1) Field Experimental tests in crop production,

(2) Experimental tests in seed,

(3) Production of registered seed on a commercial scale.

Under the first heading many tests have been carried out in sweet clover, alfalfa, altaswede red clover, corn, wheat, barley, oats, and peas. Furthermore, very exhaustive co-operative tests have been carried out in potato production in the Edmonton and surrounding districts with definite and permanent results, particularly concerning the choice of a

suitable variety of potatoes for commercial purposes. This work has been carried out three years in succession on eight different farms, and will be reported upon during the coming summer in the form of a bulletin.

Under seed tests, over 1000 farmers have secured small samples of seeds representing new strains and varieties, for experimental testing.

Under number three, between 150 and 200 farmers are growing registered seed from stock seed secured from this Department, and as a result some 100,000 bushels of registered seed is available from the crop of 1922.

Departmental Organization

During the last five years many projects have been carried out in this department, many of which will admit of a publication of results, and may, therefore, in some cases be concluded, whereas others will be carried on still for a number of years.

A number of new projects will be undertaken to take the place of old projects, during the coming season. Some of these new projects, e.g., winter hardiness, are an outgrowth of work that has been under way during the last five years, and will be studied almost wholly in the laboratory.

The organization of the department during the last five years has been along three main divisions, namely Cereal

Crop, Forage Crop, and Potato and Root Crop Investigations. In view of the necessity for greater specialization along more particularly biochemical, physiological and plant breeding lines, it has seemed best to reorganize to some extent, with a view to enabling this department to do more efficient work. Consequently, with the beginning of 1923 the work of the department has been organized as follows:

(1) Farm crops, in which all of the field experimental work in crops will be included.

(2) Plant genetics and breeding, in which all plant breeding work in all crops, together with certain studies in agricultural botany, ecology, cytology and genetics will be carried out.

(3) Plant biochemistry and physiology, in which such studies as silage investigations, winter hardiness and other scientific studies in biochemistry and physiology will be undertaken.

PUBLICATIONS

The following publications(bulletins and circulars) will be made available during the year. Some have been published already and are out of print, but these will be revised for new issue. Our publications will be distributed through the University Department of Extension.

Report of the College of Agriculture for the Year 1922

Soil Sampling

Legume Inoculation

Knots and Hitches for the Farmer

Plows and Plowing

Relative Value of Oats and Barley for Wintering Brood Sows.

Cooked vs. Uncooked feed for Wintering Growing Pigs

Oat Silage vs. Sunflower Silage for Fattening Steers

Roughages for Wintering Pregnant Ewes

Winter Rations for Brood Sows

Potato Culture

Potato Diseases

Potato Varieties

Potato Seed Treatment

Altaswede Clover

Certified Potato Seed

Registered Potato Seed

Alfalfa

Growing Sweet Clover

Growing Registered Seed Grain

Corn

Alberta Oats

Sunflowers

All of which is respectfully submitted,

E. A. Howes

E. A. Howes
Dean.

APPENDIX II

The Report of the Department of Extension.

The Annual Report of the Department of Extension

for the Year ending June 30th, 1922.

From its very beginning the University of Alberta has undertaken extension work in the form of lectures by members of its staff in a number of important provincial centres, but special emphasis was laid upon this side of the University's activities by the appointment in May, 1913, of a special secretary of the Department of Extension. This officer undertook the task of systematizing the extension work in such a way as to enable the University to achieve more fully the important function of reaching in its educational work the people of the province at large.

The Department of Extension also inaugurated in 1913 a press bulletin, a system of travelling libraries, and a bureau of information from which literary clubs and debating societies can obtain briefs on issues of all sorts. It organized in the same year a high school debating league which has stimulated very remarkably the interests of the secondary schools of the Province in argumentation and public speaking. A new departure in 1915 was the presentation to Edmonton and Calgary audiences of a series of discussions on the social problems of western Canadian life.

The year 1916 saw the organization of leadership conferences, since that time annual events, and in 1917 a visual instruction service was added. A large library of lantern slides and moving picture films has been developed. The last development has been the inauguration of tutorial classes in economics to which other subjects will be added as the need and opportunity require.

The Annual Report of the Department of Extension

for the Year ending June 30th, 1919.

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The Department of Extension also inaugurated in 1919 a press bulletin, a system of correlating libraries, and a bureau of information from which library clubs and debating societies can obtain help on issues of all sorts. It organized in the same year a club among lawyers which has stimulated very remarkably the interests of the secondary schools of the Province in argumentation and public speaking. A new departure in 1919 was the presentation to Edmonton and Calgary audiences of a series of discussions on the social problems of present Canadian life.

The year 1919 saw the organization of leader-ship conferences, since that time annual events, and in 1917 a school institution service was added. A large library of lantern slides and moving picture films has been developed. The last development has been the inauguration of technical classes in communities to which other employés will be added as the need and opportunity require.

PUBLICATIONS

Publication of the Press Bulletin has been carried on throughout the year with a circulation of about twelve hundred and fifty. In all, twenty-five issues have been published. A number of circulars have also been published or are in course of preparation. One has been issued on "The Canadian Railway Problem".

CONFERENCES

It will be recollected that several years ago in 1916-17 Leadership Conferences were held at the University which created considerable interest. These were discontinued because of war conditions until March of the present year, when a short course of one week was conducted with the lectures confined for the most part, to some phases of economics. Sixty-five students registered for this course, and the average attendance at lectures was between forty and fifty. Keen interest was maintained throughout, and there was an unanimous request for the course to be repeated another year.

The fourth University Week for Farm Young People was held during the week of June 7th- 12th, 1922, with a total attendance of ninety seven, being a decrease of seventy seven from the conference of the preceding year. The decrease is thought to be due to financial conditions in the agricultural communities. A varied programme of practical agriculture, physical education, and general culture was put on. The general opinion expressed was that this fourth conference was the best of the series so far. A similar gathering is being planned for the week of June 6th-12th of next year.

PUBLICATIONS

Publication of the Young Bulletin has been curtailed on account of the increased cost of paper. It will be issued quarterly instead of monthly as heretofore. Only thirty-five issues have been published. A number of circulars have been published during the course of preparation. One has been issued on "The Conviction Building" Problem.

CONFERENCES

It will be unnecessary to call several people ago in 1919-19 [illegible] Differences were held at the University which caused considerable interest. There were disconcerting features of the meetings until Monday of the second week, when a study course of one hour was conducted with the lectures continue for the next week. No more phases of economics. Sixty-five students registered for this course, and the average attendance at lectures was sixteen every day. Keen interest was manifested throughout, and there was an excellent response for the effort to be repeated another year.

The Fourth Biennially Week for Young Women Workers was held during the week of June 7th-14th, 1920, with a total attendance of ninety seven, being a decrease of seventy seven from the conference of the preceding year. The increase is thought to be due to financial conditions in the organized communities. A varied programme of practical activities, cheering addresses, and general culture was provided. The general opinion expressed was that this Fourth conference was the best of the series so far. A similar meeting is being planned for the week of June 6th-13th of next year.

In addition to these conferences at the University, the Department of Extension assisted in three short courses for soldiers' wives which were held at Red Deer, Calgary and Lethbridge, with about three hundred women in attendance.

EXTENSION LECTURES

During the twelve months covered by the report, 274 extension lectures were given: 164 by the Director of the Department of Extension, 60 by the Secretary, and 35 by the lecturer in economics (other than lectures included in the regular course); additionally 25 were given by different members of the University staff. The aggregate attendance was 29,008, being an average attendance of slightly over 100. Taking into consideration that throughout the year the general effort has been to reach as many outlying communities as possible, both attendance and interest in extension lectures have been very satisfactory .

STUDY COURSES

A new departure was made during this year by the inauguration of tutorial class study groups in co-operation with the Trades and Labor Council at Edmonton and Calgary; 30 Thursday night classes were conducted at Edmonton and 19 Saturday night classes at Calgary, each class being of two hours' duration. In addition a number of more popular lectures were given in connection with these courses, some five at Edmonton and three at Calgary. Keen interest was maintained throughout and there seems every reason to suppose that courses of a similar nature will meet with an even greater response in succeeding years.

In addition to these conferences at the University, the Department of Extension assisted in three short courses for radio writers which were held at Red Deer, Calgary and Lethbridge, with about thirty Imperial women in attendance.

EXTENSION LECTURES

During the twelve months covered by the report, 274 extension lectures were given: 144 by the Director of the Department of Extension, 80 by the Secretary, and 50 by the lecturer in economics (other than lectures included in the regular course); additionally 30 were given by different members of the University staff. The aggregate attendance was 20,000, being an average attendance of slightly over 100. Making into consideration the fact that during the year the general effort has been in many outlying communities as possible, both economics and interest in extension lectures have been very satisfactory.

STUDY COURSES

A ten-lecture course was held during May, 1924 by the Department of Extension in co-operation with the Trades and Labor Council at Edmonton and Calgary; 30 Thursday night classes were conducted at Edmonton and 10 Tuesday night classes at Calgary, each class being of two hours' duration.

In addition a number of these regular lectures were given in connection with these courses, some five at Edmonton and three at Calgary.

Keen interest was maintained throughout and there seems every reason to imagine that courses of a similar nature will meet with an even greater success in succeeding years.

TRAVELLING LIBRARIES

During the twelve months ending June 30th, 434 exchanges of regular travelling libraries were made, serving 401 communities. During this time the circulation averaged 59.3 for each exchange on which reports were received. Twenty (20) special libraries were also sent out, and the average recorded circulation from these was 56.1 . The total number of libraries in circulation during the period of the report has been 244-224 regular and 20 special libraries. The communities served were as follows:

Community Groups	232
School Districts	50
U.F.A.'s	104
U.F. W.A.'s	40
Women's Institutes	19
Other Organizations	37
Total	401

The most striking feature of the travelling library work during the past year has been the unprecedented increase in applications for travelling libraries. During the month of December last 76 libraries were sent out, but in spite of every effort, many applications had to wait for weeks before libraries were available, and although an emergency provision was made for additional libraries there are still applications waiting to be filled.

For the last twelve months the circulation of open shelf books was 4833, and the average circulation of the open shelf library has been 402.58 per month. This is an increase of 1269 volumes, or 35.6 per cent. over the corresponding

period of a year ago. In addition,1076 volumes of fiction were circulated among teachers attending summer school and members of the University staff.

Besides books, plays for amateur production were supplied to 180 communities, and 567 pamphlets (other than debating material) were circulated.

DEBATING AND PUBLIC DISCUSSION

During the year covered by this report, 811 packages of debating material were sent out, in addition to other pamphlets. The two most popular subjects were "Provincial Control of Natural Resources" and "Protection vs.Free Trade", each of which was called for 67 times. Other popular subjects were "Oriental Immigration", "Rural vs.City Life", each of them being called for from 30 to 50 times.

HIGH SCHOOL DEBATING LEAGUE

During the school year 1921-22, 19 schools entered the Provincial High School Debating League conducted by the Department of Extension. Twelve of these were in "B" Division and 7 in "A" Division. The topics discussed were "Provincial Control of Natural Resources " and "National School System". Debates throughout the series were very keenly contested, and the final debates where Forestburg Consolidated School won the championship in "B" Division, and Crescent Heights High School in "A" Division- were pronounced by the judges as two of the very best debates they had ever heard. Perhaps the most notable feature of the series was the winning of the championship by the Forestburg Consolidated

period of a year ago. In addition,1974 volumes of fiction were circulated nearly 50 times more frequently than volumes of the Dictionary stack.

Duplicate books, kept for our future protection were reduced to 120 examplies, and 847 unreliable (older than defective volumes) were eliminated.

REPORTING AND SERVICE TO SCHOOLS

During the year covered by this report, 631 instances of reference material were made out, in addition to other publications. The two most popular pamphlets were "Provincial Council of National Emergency" and pamphlets on "How Trade", each of which was called for 67 times. Other popular subjects were "Provincial Industrialism", "Rural vs.City Life", each of them being called for from 30 to 50 times.

HIGH SCHOOL DEBATING LEAGUE

During the school year 1921-22, in response entered the Provincial High School Debating League conducted by the Department of Education. Twelve of these were in open Division and 2 in "A" Division. The two late discussed were "Provincial Control of Natural Resources " and "National School System". Debates throughout the series were very keenly contested, and the final debates were Forest Junction Consolidated School was the champion in "B" Division, and Crescent Heights High School in "A" Division were represented by the former as two of the very best debates they had ever heard. Perhaps the most notable feature of the series was the winning of the championship by the Forest Junction Consolidated

School during the first year that this particular school had ever entered the contest.

VISUAL INSTRUCTION

During the year covered by this report, 1243 sets of lantern slides were sent out. These were shown 2044 times with an aggregate attendance of 113,850. In the same period, 295 sets of moving picture films were used 496 times with an approximate attendance of 39,503. In addition to lantern slides and moving picture films circulated, lantern outfits for lecturers were supplied 106 times. A service station is maintained for lantern users as well as for moving picture operators who use the educational film service. Lantern slides are made up for various departments in the University by the Photographic Service branch. At the present time there are 210 sets of lantern slides available for lending, and 366 reels of moving picture film.

A new departure in Visual Instruction work has just been made by the Department of Education in co-operation with the Department of Extension. Six lantern outfits have been purchased for the use of school inspectors. The Department of Extension maintains a distributing depot, and inspectors are encouraged by the Department of Education to make liberal use of lanterns and slides.

ST. JOHN AMBULANCE ASSOCIATION

In addition to the regular work of the Department of Extension, the provincial office of the St. John Ambulance Association is conducted by the Director of the Department of Extension. During the past year there has been a considerable

revival of interest in instruction in first aid work. In this period, 1,013 people have passed examinations in first aid or home nursing. The clerical work involved in keeping the records of the Association is of considerable extent, but the educational value is judged to be great enough to justify the work being done by the Department of Extension.

STAFF

During the year, there has been one notable addition to the staff of the Department of Extension. In addition to the necessary increases to take care of clerical work, Mr. E. S. Patton has been engaged as extension lecturer in economics, and has rendered excellent service with the tutorial classes and short courses in economics. He has also prepared material for the publication of a number of pamphlets.

It is a source of regret that Mr. H. H. Pike, who was on the staff of the Department of Extension for nearly a year, is at present in hospital suffering from a serious illness.

In general, it may be said that the willingness and zeal of the members of the departmental staff leaves nothing to be desired. Throughout the year there has been a spirit of loyal co-operation, without which the demands of the work, which have often been very heavy, could not have been met.

As has been repeatedly emphasized in these reports, the only limit to the services of the Department of Extension is that of the resources available with which to carry it on.

All of which is respectfully submitted,

G. E. Ottewell

Director.

APPENDIX III

THE REPORT OF THE PROVINCIAL LABORATORY

REPORT OF THE DIRECTOR OF THE PROVINCIAL LABORATORY

1922

I have the honour to submit the following report of the work done in the Provincial Laboratory during the year 1922.-

STAFF

No change

LABORATORY EXAMINATIONS

TABLE # 1 gives in some detail the examinations made during the year under consideration in comparison with the work done during the preceeding year. It will be observed that there has been an increase of over 21 % in examinations performed. The most noticeable increases are the bacteriological examination of water, bacteriological examination of milk, miscellaneous examinations, the Wassermann reaction for the diagnosis of Syphilis where the figure has increased by nearly 1000 examinations, and the pathological material where there has been an increase of nearly 500 examinations.

REPORT OF THE DIRECTOR OF THE PROVINCIAL LABORATORY

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I have the honour to submit the following report of the work done in the Provincial Laboratory during the year 1922.-

STAFF

No change

LABORATORY EXAMINATIONS

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TABLE # 1

		Total # Specimens - 1921	Total # Specimens - 1922	Increase	Decrease
COMMUNICABLE DISEASES:	Sputa	374	451	77	
	Diphtheria	1,666	1,229		437
	Typhoid Fever	121	217	96	
WATERS:	Bacteriological	335	412	77	
	Chemical	234	251	17	
MILKS:	Bacteriological	489	586	133	
	Bact. & Chemical		42		
	Chemical	16	10		
MOTHER'S MILK:		78	61		17
MISCELLANEOUS EXAMINATIONS:		607	837	230	
SMEARS FOR THE PRESENCE OF GONORRHOEA:		810	1,346	536	
BLOODS FOR THE WASSERMANN REACTION:		4,084	5,008	924	
PATHOLOGICAL MATERIAL:		1,011	1,501	490	
	TOTAL	9,825	11,951	2,580	454

INCREASE 2,126 Specimens

TABLE 1.1

	Total # Incorrect - Test Item		Total # Incorrect - Test Item		Total # Incorrect - Test Item	
	Item - Test		Item - Test		Item - Test	
	1	2	3	4	5	6
Chemical Dependency Diagnostic Battery	1,452	1,224	1,224	1,224	1,224	1,224
Substance Dependency	71	71	71	71	71	71
Alcoholism	452	452	452	452	452	452
Drug Dependency	71	71	71	71	71	71
Psychological Factors Affecting Medical Condition	254	254	254	254	254	254
Conversion Disorder	452	452	452	452	452	452
Somatization Disorder	71	71	71	71	71	71
Pain Disorder	452	452	452	452	452	452
Hypochondriasis	71	71	71	71	71	71
Somatoform Disorder	71	71	71	71	71	71
Dissociative Disorders	71	71	71	71	71	71
Sexual Dysfunctions; Sexual Disorders	71	71	71	71	71	71
Gender Identity Disorders	71	71	71	71	71	71
Eating Disorders	71	71	71	71	71	71
Sleep Disorders	71	71	71	71	71	71
Impulse Control Disorders	71	71	71	71	71	71
Adjustment Disorders	71	71	71	71	71	71
Psychological Factors Affecting Medical Condition	71	71	71	71	71	71
Mood Disorders	452	452	452	452	452	452
Schizophrenia & Other Psychotic Disorders	452	452	452	452	452	452
Delirium, Dementia, Amnestic & Other Cognitive Disorders	452	452	452	452	452	452
Mental Disorders Due to a General Medical Condition	452	452	452	452	452	452
Substance-Related Disorders	452	452	452	452	452	452
Anxiety Disorders	452	452	452	452	452	452
Somatoform Disorders	452	452	452	452	452	452
Factitious Disorders	452	452	452	452	452	452
Dissociative Disorders	452	452	452	452	452	452
Sexual & Gender Identity Disorders	452	452	452	452	452	452
Eating Disorders	452	452	452	452	452	452
Sleep Disorders	452	452	452	452	452	452
Impulse-Control Disorders Not Elsewhere Classified	452	452	452	452	452	452
Adjustment Disorders	452	452	452	452	452	452
Personality Disorders	452	452	452	452	452	452
Other Conditions That May Be a Focus of Clinical Attention	452	452	452	452	452	452
Additional Codes	452	452	452	452	452	452
Axis II: Personality Disorders	452	452	452	452	452	452
Mental Retardation	452	452	452	452	452	452
Learning Disorders	452	452	452	452	452	452
Motor Skills Disorder	452	452	452	452	452	452
Communication Disorders	452	452	452	452	452	452
Pervasive Developmental Disorders	452	452	452	452	452	452
Attention-Deficit & Disruptive Behavior Disorders	452	452	452	452	452	452
Feeding & Eating Disorders of Infancy or Early Childhood	452	452	452	452	452	452
Tic Disorders	452	452	452	452	452	452
Elimination Disorders	452	452	452	452	452	452
Other Disorders of Infancy, Childhood, or Adolescence	452	452	452	452	452	452
Axis III: General Medical Conditions	452	452	452	452	452	452
Axis IV: Psychosocial & Environmental Problems	452	452	452	452	452	452
Axis V: Global Assessment of Functioning	452	452	452	452	452	452
Additional Codes	452	452	452	452	452	452
Medication-Induced Movement Disorders	452	452	452	452	452	452
Other Medication-Induced Disorder	452	452	452	452	452	452
Problems Related to Abuse or Neglect	452	452	452	452	452	452
Additional Codes

TABLE # 2

TABLE # 2 shows the number of containers prepared and distributed, and the quantity of Typhoid and other vaccins prepared and sent out.

	OUTFITS	VACCINES	INCREASE
WATER CONTAINERS:			
Bacteriological	410		
Chemical	239		35
SPECIAL CONTAINERS:	2,602		47
BLOOD CONTAINERS:	4,352		1,159
TYPHOID VACCINE:		4,875 c.c	625 c.c
OTHER VACCINES:		2,800 c.c	1,950 c.c
	7,603	7,675 c.c	
INCREASE	1,241		2,575 c.c

TABLE # 3

TABLE # 3 indicates the part played by the Laboratory in the control of infectious diseases.

TABLE # 2

TABLE # 2 shows the number of containers prepared and distributed, and the quantity of Typhoid and other vaccine prepared and sent out.

WATER CONTAINERS:			
Bacteriological	410		
Chemical	249		59
SPECIAL CONTAINERS:	5,602		47
BLOOD CONTAINERS:	4,352		1,359
TYPHOID VACCINE:		4,075 c.c	625 c.c
OTHER VACCINES:		2,800 c.c	1,950 c.c
	7,609	7,675 c.c	
INOCULUM	1,241		2,375 c.c

TABLE # 3

TABLE # 3 indicates the work placed by the Laboratory in the control of Infectious diseases.

TABLE # 3

SPECIMENS EXAMINED FOR THE DIAGNOSIS OF COMMUNICABLE DISEASES

DISEASE:	No. of Specimens		No. of Phys'ns	No. of Post Offices
	POSITIVES	NEGATIVES		
PULMONARY TUBERCULOSIS	68	383	225	109
DIPHTHERIA	209	1,020		
TYPHOID FEVER	16	201		
TOTAL	293	1,604	225	109

SPECIMENS RECEIVED EACH MONTH

Month	Spu'm	Diph.	Typ'd	Total
Jan.	39	175	10	224
Feb.	35	108	4	147
Mar.	44	177	11	232
Apr.	32	74	5	131
May	48	66	15	129
June	54	63	10	127
July	39	55	21	115
Aug.	25	54	37	116
Sept.	32	78	46	156
Oct.	25	72	24	121
Nov.	29	177	20	226
Dec.	29	130	14	173
TOTAL	451	1,229	217	1,897

ASSOCIATED PRESS TELEGRAMS TO CONSUMERS BY THE DIAMOND

DISTRICT: [illegible]

[illegible]

[illegible]

[

TABLE # 4

TABLE # 4 shows that during the past year there was a 22 % increase in the number of blood examinations. Dr. Shaw has continued to do this work as during the previous year.

WASSERMANN REACTION FOR THE DIAGNOSIS OF SYPHILIS

Bloods Received	Bloods Examined	Bloods Positive to reaction	Bloods Negative to reaction	Bloods Unsuitable
5,098	5,008	1,115	3,893	90

Year 1921- 4,084
Year 1922- 5,008

INCREASE: 924 specimens

PATHOLOGICAL HISTOLOGICAL DIAGNOSIS

The increase in this work has been 48 %. Last year 1,011 specimens were examined while during the present year 1,501 specimens have been examined. As during the preceeding year Dr. J. J. Ower has been responsible for this work.

TABLE # 4

Table # 4 above tiae during the past year there was a 22 % increase in the number of blood examinations. Dr. Chee has continued to do this work as during the previous year.

WATER WORK

The number of samples of water examined bacteriologically was 412, the number examined chemically 251, an increase of 94 examinations over the figures of last year. Both bacteriological and chemical examinations of water are highly technical and the interpretation of the results is something which requires considerable experience. The chemical part of the work has been carried out by Mr. J. A. Kelso.

TABLE # 5

TABLE # 5 gives the details of these examinations;-

Number of samples of water examined bact.		405
Number of samples of ice examined bact.		7
Number of samples of water examined chem.		251
Number of samples of water examined bact. and found unfit for human consumption	93	
Number of samples of water examined bact. and found fit for human consumption.	312	
Number of samples of ice examined bact. and found fit for human consumption	7	
Number of samples of water examined chem. and found unfit for human consumption	71	
Number of samples of water examined chem. and found fit for human consumption.	180	
TOTAL	663	663

The number of samples of water examined bacteriologically was 412, the number examined chemically 251, an increase of 74 examinations over the figures of last year. Both bacteriological and chemical examinations of water are highly technical and the interpretation of the results is something which requires considerable experience. The chemical part of the work has been carried out by Mr. A. A. Kelso.

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Number of samples of water examined bact.	405
Number of samples of ice examined bact.	7
Number of samples of water examined chem.	251
Number of samples of water examined bact. and found unfit for human consumption	93
Number of samples of water examined bact. and found fit for human consumption.	312
Number of samples of ice examined bact. and found fit for human consumption	7
Number of samples of water examined chem. and found unfit for human consumption	91
Number of samples of water examined chem. and found fit for human consumption.	160
TOTAL	665

EXAMINATION OF COW'S MILK

The increase in the bacteriological examination of cow's milk was 28 % - represented by an increase of 139 examinations. The chemical examination of milk was performed on 51 occasions as compared with 16 during the previous year.

TABLE # 6

TABLE # 6 gives the details of these examinations;-

Number of milk samples received		652
Number of milk samples examined	638	
Number of milk samples unsuitable for examination.	14	
Number of milk samples examined bact. for City Health Department.	555	
Number of milk samples examined bact. Province	31	
Number of milk samples examined bact. and chemically - Province	42	
Number of milk samples examined chem. only- Province	9	
Number of milk samples examined for adulteration- found to be adulterated	1	
Number of milk samples unsuitable for examination	14	
TOTAL	652	652

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Number of milk samples examined bact. and chemically - Provinces	42	
Number of milk samples examined chem. only- Provinces	9	
Number of milk samples examined for adulteration- found to be adulterated	1	
Number of milk samples unsuitable for examination	14	
TOTAL	652	652

MISCELLANEOUS EXAMINATIONS

Under the heading of miscellaneous examinations a considerable number of very technical analyses have been made such as,- the examination of blood stains to establish whether they were human or not, the examination of foods for bacteriological and other contamination, the examination of various body fluids, etc., and the examination of the tissues of animals for evidence of disease, etc., etc. The number of examinations was 837 as compared with 607 during the previous year, and increase of 38 %.

THE EXAMINATION OF SMEARS FOR GONORRHOEA

Here is shown an increase of 536 examinations for the present year. The total number of examinations performed was 1,346 - an increase of 66 %.

The whole respectfully submitted.

I have the honour to be

Sir

Your obedient servant,

Allan C Rankin

DIRECTOR.

SEE APPENDIX

Sir

I have the honour to be

Your obedient servant,

Chief Clerk.

APPENDIX

ESTIMATED COMMERCIAL VALUE OF WORK
IF MINIMUM CHARGES WERE MADE

MATERIAL	No. Of SPECIMENS	Price per SAMPLE	TOTAL
		$	$
SPUTUM	451	2.00	902.00
DIPHTHERIA	1,229	2.00	2,458.00
TYPHOID FEVER	217	2.00	434.00
WATERS	663	15.00	9,945.00
MILKS	638	5.00	3,190.00
MOTHER'S MILK	61	2.00	122.00
MISCELLANEOUS	837	5.00	4,185.00
GONORRHOEA	1,346	2.00	2,692.00
WASSERMANN TEST	5,008	5.00	25,040.00
PATHOLOGICAL MATERIAL	1,501	5.00	7,505.00
TOTAL	11,951		56,473.00

INCREASE $ 10,805.00

APPENDIX IV

THE REPORT OF THE INDUSTRIAL LABORATORY

APPENDIX IX

THE RANGE OF USE INDUSTRIAL EXPOSURE

Annual Report of the Industrial Laboratory

I beg to report as follows regarding the work of the Industrial Laboratories and the work of the Provincial Analyst for the year 1922.

Analyses and Examinations

Beers, etc.	1171
Spirits	489
Washes	104
Poison examinations	135
Drugs under Opium and Narcotic Drugs Act	123
Milks	58
Waters, Domestic supply	309
Waters, boiler	12
Butters	6
Oil	45
Ores, examinations for prospectors	272
Coal	120
Medicines	36
Flour	7
Cements	7
Leather	6
Formaldehyde	5
Cattle Feeds	5
Meats	10
Vinegar	4
Soap	3
Arsenic	3
Grain	3
Dyes	2
Jam	2
Coffee	2
Paint	2
Miscellaneous examinations	266
Concrete and cement	41
Sand and gravel	18
Iron ores	10
Ore	30
Miscellaneous mechanical inspections	15
Extracts and miscellaneous samples under the Liquor Act	110

Annual Report of the Industrial Laboratory

I beg to report as follows regarding the work of the Industrial Laboratory and the work of the Provincial Analyst for the year 1908.

Analyses and Examinations

Beers, etc.	1174
Spirits	490
Wines	104
Foliar examinations	156
Drugs under Opium and Narcotic	
Drugs Act	124
Milks	89
Waters, Domestic supply	249
Waters, Dairy	19
Mixtures	6
Oils	44
Ores, examinations for prospectors	170
Coal	170
Medicines	36
Flour	7
Cements	7
Leather	8
Permanganate	2
Cattle Foods	2
Yeasts	10
Vinegar	4
Soap	3
Arsenic	3
Orvin	3
Dyes	2
Inn	2
Coffee	2
Paint	1
Miscellaneous examinations	240
Concrete and cement	41
Coal and gravel	34
Iron ores	32
Ore	30
Miscellaneous mechanical	
inspections	28
Examine and miscellaneous samples	
under the Liquor Act	170

As Provincial Analyst I was required to give evidence in many court cases in various parts of the Province and to give technical advice to various government departments.

Working in conjunction with the Department of Geology many examinations were made for prospectors and assistance given to them.

I acted as a member of a Committee of the Engineering Institute of Canada investigating action of alkali on concrete and as a member of The Advisory Committee regarding Patent and Proprietary Medicines and Flavoring Extracts.

Respectfully submitted,

James Aitkenson

Provincial Analyst,
Director of Industrial Laboratories.

Respectfully submitted,

Director of Industrial Laboratories.

APPENDIX V

PUBLICATIONS DONE BY MEMBERS OF THE STAFF OF THE UNIVERSITY OF ALBERTA

APPENDIX A

MEDICATIONS DOSE RANGES OF USE DATA

OF ZEN

UNIVERSITY OF ARIZONA

Department of Agricultural Engineering -

Publication by J. McGregor Smith, Professor of Agricultural Engineering:

"The Plowing Match" a Bulletin published by the Provincial Government .

Department of Anatomy-

Publications by E. F. Sharer, Assistant Professor of Anatomy:

"The Development of the Pharynx and Aortic Arches of the Turtle, with a note on the Fifth and Pulmonary Arches of Mammals"- American Journal of Anatomy, volume 29, No 4, Nov. 1921.

"On the Smooth Muscle in the Turtle's Heart"- Anatomical Record.

Department of Biochemistry-

Publications by J.B. Collip, Professor of Biochemistry:

"Reversal of Depressor Action of Small Doses of Adrenalin", American Journal of Physiology, Vol. LV , No 3, April 1921

"On the Formation of Hydrochlorin Acid in the Gastric Tubules of the Vertebrate Stomach "- Monograph- University of Toronto Studies, No 38, Physiological Series, May 1921.

"The Acid -Base Exchange between the Plasma and the Red Blood Cells" Journal of Biological Chemistry, Vol. XLVI, March 1921.

"Further Study of the Respiratory Processes in Mya Arenaria and other Marine Molluscs"- Journal of Biological Chemistry, Vol. XLI, Dec. 1921.

"The Activation of the Glandular Stomach of the Fowl"- American Journal of Physiology, Vol LIX, Feb. 1922.

"Rigor Mortis"- Journal of Biological Chemistry, Vol. L, Feb. 1922.

"Pancreatic Extracts in the Treatment of Diabetes Mellitus"- in collaboration with F. G. Banting, C. H. Best, W. R. Campbell and A. A. Fletcher.

"Some Factors which Modify the Epinephrine Reaction "- Journal of Endocrinology, Vol. VI, May 1922.

"The Preparation of Pancreatic Extracts containing Insulin"- in collaboration with F. G. Banting, C.H.Best and J. J. R. McLeod.

"The Effect of Insulin on Normal Rabbits and Rabbits rendered Hyperglycaemic in various ways "- in collaboration with F. G. Banting, C. H. Best, J. J. R. McLeod and N. C. Noble- American Journal of Physiology, Vol. 63, No 3, Nov. 1922.

"The Effect Produced on the Respiratory Quotient by Injections of Insulin",- in collaboration with F. G. Banting, C. H. Best, J. Hepburn and J. J. R. Macleod.

"The Effect of Insulin on the Percentage Amounts of Fat and Glycogen in the Liver and other Organs of Diabetic Animals"- in collaboration with F. G. Banting, C. H. Best, J. J. R. McLeod and N. C. Noble.

"The Effect of Insulin on the Excretion of Ketone Bodies by the Diabetic Dog "- in collaboration with F. G. Banting , C. H. Best and J. J. R. McLeod.

These last five publications published in the Proceedings of Royal Society of Canada, Vol. XVI, June 1922.

These last five publications published in the Proceedings of
Royal Society of Canada, Vol. XXX,June 1936.

"Pancreatic Extracts in the Treatment of Diabetes" -in Collaboration with F. G. Banting, C. H. Best, N. R. Campbell, A. A. Fletcher and J. J. R. MacLeod- Proceedings of American Association of Physicians, May 1922.

"The Effect of Pancreatin Extract (Insulin) on Normal Rabbits"- in collaboration with F. G. Banting, C. H. Best, J. J. R. MacLeod and E. C. Noble- American Journal of Physiology, Sept.1922.

Department of Chemistry-

Publications by O. J. Walker, Assistant Professor of Chemistry:

"Induction Periods in Reactions between Thiosulfates and Arsenite or Arsenate: A Useful Clock Reaction".,- in collaboration with G. S. Forbes and H. W. Estill- Journal of the American Chemical Society, Vol 94, Jan. 1922.

Department of Classics:

Publications by Dr. Geneva Misener, Associate Professor of Classics:

Review of Homer, The Odyssey, Translation, Vol. II by A. T. Murray, Loeb Classical Library- in Classical Philology, October 1921.

Review of Homer's Odyssey , Von Karl Friedr Ameis,und Carl Hentze Erster Band, Erstes Heft, bearbeitet von Paul Cauer, Teubner,Leipzig and Berlin- in Classical Philology,Oct. 1921.

Review of Weirilliger Opperted bei Euripides von Johanna Schmidt- in Classical Philology, October 1922.

Department of Economics:

Publications by D. A. MacGibbon, Professor of Economics :

"The Revolutionary Cycle in Syndicalism "- General Political Economy, February ,1922.

"The Grain Standardization "- The American Economic Review, June,1922.

Department of English:

Publications by E. K. Brooks, Professor of English Language and Literature:

"Canadian Literature"- an address to the Edmonton Board of Trade, October,1921, printed in the Edmonton Journal, thence reprinted in the Christian Science Monitor (Boston), The Vancouver Province,etc.

"Criticism--or Puffery ?"-- an article published in the Canadian Forum,October,1922,examining the present state of literary criticism in Canada.

"A Book of Canadian Prose and Verse "--- a selection of Canadian prose and verse, with an introduction and critical prefaces. MacMillan Company.

Department of Journalism:

Publications by D. A. [illegible], Professor of Journalism:

"The Preliminary Cycle in Dyslalia." General Politics Monthly, February, 1920.

"The Grain Standardization." The American Economic Review, June, 1923.

Department of English:

Publication by R. E. Brooks, Professor of English Language and Literature:

"Counting Literature"- an address to the Kleinian Guest of Trois, October, 1921, revised in the Mountain Journal, thence reprinted in the Christian Science Monitor (Boston). The Vancouver Province,Feb.

"Criticism--or Perfect"-- an article published in the Canadian Forum,October,1923,examining the present state of literary criticism in Canada.

"A Book of Canadian Prose and Verse"--- a selection of Canadian prose and verse, with an introduction and critical [illegible] Macmillan Company.

Department of Entomology:

Publications by E. H. Strickland, Professor of Entomology .

"Some New Culicidae from Western Australia, South Queensland and Tasmania"- The Entomologist, London, 14pp, 1911.

"A Quiescent Stage in the Development of Termes Flavipes Koller "- 4pp, 1 plate, Journal of N.Y. Entomological Society, Vol. 19, 1911.

"Some Parasites of Simulium Larvae and their Effect on the Development of the Host"- Biological Bulletin, Vol. 21, 1911.

"The Pseudochini of North America"- Ann. Ent. Society of America, vol. 5, 1912.

"Further Observations on the Parasites of Simulium Larvae" - Journal of Morphology, vol. 24-1913.

The Brown-tail Moth in New Brunswick"- Quebec Society Protection of Plants Proceedings 1914.

"Poisoned Bait for Cutworms ", Canadian Entomologist, 1915.

"The Army Cutworm in Southern Alberta" - Rep. Ont. Ent. Soc. 1915.

"The Control of Cutworms in the Prairie Provinces"- Dominion of Canada Entomology Branch Circular, 1916.

"The Army Cutworm"- Dominion of Canada Ent. Branch Bulletin, 1916.

"The Control of Cabbage Aphis by Parasites in Western Canada" Proceedings British Columbia Ent. Soc., 1916.

"The March Fly in Grain Fields and as a Pest of Celery"- Agricultural Gazette, 1916.

"The Present Status of Mill Infesting Pests in Canada"- Rep. Ont. Ent. Soc., 1919.

Department of Entomology:

Publications by H. H. Severin, Professor of Entomology.

"Some New Colletidae from Southern California, South Carolina and Tennessee." The Entomologist, London, 1922, 1923.

"A Quiescent Stage in the Development of Certain Blattidae Eggs", 3 plates, Journal of E.Z. Entomological Society, Vol.19,1923.

"Some Parasites of Diaspidae Lecanium and their Effect on the Development of the Host"- Biological Bulletin, Vol. 23,1923.

"The Peacock Fly of North America"- Ann. Ent. Society of America, Vol. 8, 1923.

"Further Observations on the Formation of Silicious Eggs" - Journal of Morphology, vol. 36-1923.

"The Propolis Bees in Flow Protection"- Canadian Society Protection of Plants Proceedings 1924.

"Poisoned Bait for Cutworms", Canadian Entomologist,1923.

"The Army Cutworm in Southern Alberta" - Dep. Ent. Wis. Doc. 1923.

"The Control of Grasshoppers in the Prairie Provinces"- Dominion of Canada,Entomology Branch Circular,1924.

"The Army Cutworm"- Dominion of Canada Ent. Branch Bulletin,1924.

"The Control of Codling Moth by Parasites in Orchards Canada"

Proceedings British Columbia Ent. Soc.,1924.

"The Black Fly in Grain Fields not at a Cost of Colony"-

Agricultural Gazette,1924.

"The Present Status of Bee Infesting Mites in Canada"-

Dep. Ent. Ent. Doc.,1924.

"The Date on which it is safe to reseed fields after devastation by cutworms"- Dom. of Canada, Ent. Branch Leaflet,1930.

"The Beet Webworm" (with N. Criddle), Dom. of Canada, Ent. Branch Leaflet,1930.

"The Cottonwood Leaf-mining Beetles in Southern Alberta"- Canadian Entomologist, 1930.

"The Invasion of Southern Alberta by Beet Webworms"- Rep. Ont. Ent. Soc.,1930.

"The Noctuid Genus Copablepharon", with notes on its taxonomic relationships- Psyche, 1930.

"Parasites of the Pale Western Cutworm in Alberta"- Canadian Entomologist, 1931.

"The Control of Grasshoppers in Alberta"(with H. L Seamans) Alberta Department of AgricultureCircular,1931.

" The Pale Western Cutworm " (with H. L Seamans), Dominion of Canada Ent. Branch Leaflet, 1931.

"Poisoned Molasses for the destruction of Noctuid Moths"- Journal of Econ. Ent., 1932.

Department of Field Husbandry:

Publications by G. H. Cutler, Professor of Field Husbandry; R. Newton, Professor of Plant Physiology; and J. R. Fryer, Assistant Professor of Field Husbandry .

By G. H. Cutler-

(a) Sweet Clover- Agricultural Alberta- Vol 11, No 11, with C. F. H. Buckley, May 1932.

(b) Bulletin #3,University of Alberta- with C. F. H. Buckley.

(c) Altaswede Red Clover- Bulletin #2,with C. F. H. Buckley, University of Alberta.

By R. Newton-

(a) A comparative study of winter wheat varieties with especial reference to winter-killing. Journal of Agricultural Science (Cambridge), vol. XII, Part 1, Jan. 1922.

(b) A method for the estimation of the hydrophilic colloid content of expressed plant-tissue fluids. (with R.A.Gortner) Botanical Gazette; also abstract in Proceedings of Society for Experimental Biology and Medicine, vol XIX, No 7, April 1922.

(c) Methods for the estimation of total solids and hydrophilic colloid content of expressed plant-tissue fluids,with certain phytochemical applications. (with R. A. Gortner and W.F. Hoffman). Science, Vol. 56, No. 1449, Oct. 6,1922.

(d) Note on relative and corrected yields. Scientific Agriculture, vol. III, No. 3,

Department of Plant Husbandry:

Publications by G. R. Craiger, Professor of Plant Husbandry; R. Bruhn, Professor of Plant Physiology; and R. R. Dyer, Assistant Professor of Plant Husbandry.

By G. R. Craiger-

(a) Some Clover- Agricultural Alberta- Vol 11, No 12, 1931 G. R. R. Craiger, May 1931.

(b) Bulletin 63,University of Alberta - with R. R. Dyer, Bruhn.

(c) Alsike-Red Clover- Bulletin 51-with G. R. R. Craiger, University of Alberta.

By R. Bruhn-

(a) A comparative study of winter wheat varieties with especial reference to winter-killing. Journal of Agricultural Science (Cambridge), vol. XII, Part I, Jan. 1924.

(b) A method for the estimation of the hydrophilic content of expressed plant-tissue fluids. (with R.A.Gortner) Botanical Gazette; also Abstract in Proceedings of Society for Experimental Biology and Medicine, vol XIX, No 7. April 1922.

(c) Methods for the estimation of total solids and hydrophilic colloid content of expressed plant-tissue fluids, with certain physiological applications. (with R. A. Gortner and W.F. Hoffman). Botanical, Vol. 80, No. 1925, Oct. 6,1925.

(d) Notes on relative and corrected yields. Scientific Agriculture, vol. III, No. 3.

By J. R. Dryer-

(a) The influence of light and fluctuating temperatures on the germination of Poa Compressa (L)- Scientific Agriculture, vol. 11, No 7.

(b) A comparison of some physical properties of immaturely frosted and non-frosted seeds of wheat and oats. Proceedings of the Western Canadian Society of Agronomy, December 1931.

By C. E. Sanford-

(a) The Potato Scab Problem- Proceedings of the Western Canadian Society of Agronomy, Dec. 1931.

(b) The Potato Scab Problem- Preliminary Report. - Scientific Agriculture.

Department of Geology-

Publications by John A. Allan, Professor of Geology:

"Geology of the Drumheller Coal Field", Third Annual Report on the Mineral Resources of Alberta, published by the Scientific and Industrial Research Council of Alberta, May 1932, 72 pages, 17 plates.

Map: Geological Map of Drumheller Coal Field, 6 colours, scale- 2000 ft. to the inch, 1932.

"Notes on the Geology of the Drumheller Coal Field", Western Canada Coal Review, May 1932, page 22.

By S. E. Dyer-

(a) The influence of light and fluorescing compounds on
the germination of Pea Gamycocan (S)- Scientific Agriculture,
vol. 11, No 7.

(b) A comparision of some physical properties of Lanceolate
fresh and non-frosted seeds of wheat and oats.
Transactions of the Eastern Division Society of Agronomy,
December 1931.

By O. E. Sexton-

(a) The Potato Scab Problem- Percentage of the Western
Canadian Society of Agronomy, Jan. 1931.

(b) The Potato Scab Problem- Preliminary Report. -
Scientific Agriculture.

Publications of Geology-

Publications by John A. Allan, Professor of
Geology:

"Geology of the Drumheller Coal Field", First Annual
Report on the Mineral Resources of Alberta, published
by the Scientific and Industrial Research Council of
Alberta, May 1932. 74 pages, 12 plates.

Map: Geological Map of Drumheller Coal Field, 3 colours,
scale- 2000 ft. to the inch, 1932.

"Notes on the Geology of the Drumheller Coal Field",
Western Canada Coal Review, May 1929, page 22.

Department of History-

Publication by A. L. Burt, Professor of History:

"The Mystery of Walker's Hat" - Canadian Historical Review, September 1929.

Department of Mathematics-

Publications by S. D. Killam, Professor of Mathematics:

"Homographic Solution of Triangles" -presented to the Royal Society of Canada, May 1921.

By J. W. Campbell, Associate Professor of Mathematics:

"Orbit of the Spectroscopic Binary, H.R. 8992"- in publications, Dominion Astrophysical Observatory, Victoria, Vol.1. No 22.

Department of Mining-

Publication by A. E. Cameron, Associate Professor of Mining :

"Post-Glacial Lakes in the Mackenzie River Basin, North West Territories, Canada"- The Journal of Geology, Vol. XXX, No 5, July 1922.

Department of Modern Languages:

Publications by W. A. R. Kerr, Dean of the Faculty of Arts and Sciences and J. F. Coar, Professor of German:

By Dean Kerr- Article-"Dante"- The Trail, November 1921.

By John F. Coar-

"Productive Democracy"- (5 articles)- The Canadian Nation, Sept. 1,15, Oct. 3,16,30, 1920.

"German Actualities"- The Weekly Review, Sept. 10, 24th,1921.

"Upper Silesia"- The Dilemma of the Powers- The Independent, Dec. 10th,1921.

"The Social Outlook in Germany"- The Independent, Oct. 15th,1921.

"What May Happen in Germany"- The Independent, Feb. 11,1922.

"The Economic Outlook in Germany"- The Independent, Mar. 18, 1922.

"What Happened in Germany"- The Canadian Forum, May,1923.

"What Happened to Germany"- The Canadian Forum, June and July,1923.

"Is Germany Going to Pieces"- The Independent, July 28,1923.

"Salvation for Germany" ,A Proposal,- The Independent, Sept.8,1923.

Mechanical Engineering:

Publications by C. M. Robb, Professor of Mechanical Engineering:

"Starting Aero Engines at Low Temperatures" published by the Air Board (Canada), January 1920; issued as Technical Memorandum No 19, cancelling Technical Memorandum Nos. 9 and 10, being a report of the work carried out at the University of Alberta during two seasons for the Associate Air Research Committee, Honorary Advisory Council for Scientific and Industrial Research.

Report of Boiler Trials conducted at the University of Alberta for the purpose of establishing the relative values of the different Alberta Coals in the generation of steam. These are published in the first and second Annual Reports of the Scientific and Industrial Research Council of Alberta, 1921 and 1922.

Mechanical Engineering:

Publications by C. R. Cobb, Professor of Mechanical Engineering:

"Testing Aero Engines at Low Temperatures" published by the Air Board (Canada), January 1928; issued as Technical Memorandum No. 22, consisting Technical Memorandum Nos. 7 and 10, being a report of the work carried out at the University of Alberta during two seasons for the Associate Air Research Committee, Temporary Advisory Council for Scientific and Industrial Research.

Report of Motive Power Laboratory at the University of Alberta for the purpose of establishing the relative values of the different Alberta Coals in the generation of steam. Tests are published in the first and second Annual Reports of the Scientific and Industrial Research Council of Alberta, 1921 and 1922.

Department of Philosophy-

Publications by J. H. MacEachran, Professor of Philosophy:

"Some Present-Day Tendencies in Philosophy" - Offprint from "Philosophical Essays" presented to Professor John Watson of Queen's University in honour of his fiftieth year in academic work.

Department of Physiology:

Publications by A. W. Downs, Professor of Physiology; N. B. Eddy, Assistant Professor of Physiology, and E. C. Smith:

By A. W. Downs-

"The Reaction of the Blood in Reference to the Regulation of Respiration and the Influence of Anaesthesia Thereon"- The Canadian Medical Association Journal, September, 1922, xii, 675.

By A. W. Downs and Nathan B. Eddy-

Secretin V. Its Effect in Anaemia, with a Note on the Supposed Similarity between Secretin and Vitamin B - The American Journal of Physiology, Dec. 1921, lvii, 296.

Further Observations on the Effects of the Subcutaneous Injection of Splenic Extract- The American Journal of Physiology, Oct. 1922, lxii, 342.

Department of Physiology (continued)

By Nathan B. Eddy-

"The Internal Secretion of the Spleen"- Endocrinology, July, 1921, v,461.

"A Simple Device for the Demonstration of Heart Block in the Student Laboratory"- The Journal of Laboratory and Clinical Medicine, August, 1921, vi.

By H. C. Smith-

"Unusual Solitary Renal Tuberculosis"- Journal of Urology, Nov. 1921.

Department of Physics:

Publications by R. W. Boyle, Dean of the Faculty of Applied Science and Professor of Physics; S. Smith, Assoc. Professor of Physics and R. J. Lang:

Further Reports to the Research Council of Canada on Ultra Sonics- by Dean Boyle and F. J. Lehmann (confidential)

The following papers have been presented to the Royal Society of Canada and are published in their Transactions:

"Cavitation in the Propagation of Sound" - R. W. Boyle

"Compressional Waves in Metals Produced by Impact"- R.W.Boyle

"High Frequency Vibrations and Elastic Modulus of Metal Wire"- R. J. Lang.

"On the Depression of the Centre of a thin Circular Disc of Steel under Normal Pressure" by S. Smith.

Department of Physiology (continued)

By Miss M. Tapp-

"The Internal Secretion of the Spleen"- Endocrinology, July, 1921, v,381.

"A Simple Device for the Demonstration of Heart Block in the Student Laboratory"- The Journal of Laboratory and Clinical Medicine, August, 1923, v1.

By K. C. Smith-

"Unusual Solitary Equal Bipotassium"- Journal of Urology, Nov. 1921.

Department of Physics:

Publication by R. W. Boyle, Dean of the Faculty of Applied Science and Professor of Physics; G. Smith, Assoc. Professor of Physics and R. J. Lunn:

Further Reports to the Honorary Council of Canada on Ultra Sonics- by Dean Boyle and R. J. Lunn (confidential)

The following papers have been presented to the Royal Society of Canada and are published in their Proceedings:

"Oscillations in the Propagation of Sound" - R. W. Boyle

"Compressional Waves in Liquids Produced by Impacts"- R.W.Boyle

"High Frequency Vibrations and Electric Neutrals of Metal Rods"- R. J. Lunn.

"On the Compression of the Centre of a Thin Circular Disc of Steel under Normal Pressure" by G. Smith.

Research Department-

Publications by Dr. K. A. Clark, Research Engineer:

Reports of the Road Materials Division, Mines Branch ,Ottawa, in the Annual Summary Reports. All the experimental work of the Division is discussed in these reports.

Summary Report of the Mines Branch,Department of Mines, Ottawa-

1917-	pages	181 to 183
1918-	"	169 to 200
1919-	"	135 to 165

"The Sampling of Deposits of Road Stone and Gravel in the Field"- K. A. Clark and L. Reinecke- Proceedings of the American Society for Testing Materials. Vol. 18, Pt. 2, 1918.

"The Standard Deval Abrasion Test for Rock"- A written contribution to the discussion of a paper on this subject by F. H. Jackson and containing results of experimental work. Proceedings of the American Society for Testing Materials, Vol. 20, Pt. 2, p 293, 1920.

"The Bituminous Sand and Its Commercial Development". Second Annual Report, Scientific and Industrial Research Council of Alberta, 1928, page 43.

"Experiments in Improving and Maintaining our Prairie Roads"- Presented to the Canadian Good Roads Association Convention at Victoria, B. C., June 13,1928. Printed in Canadian Engineer, June 27,1928, p. 650; Engineering and Contracting, Sept. 6th,1928, p 287.

Reference Department.

Publications by Dr. R. A. Clark, Research Engineer;

Reports of the Road Materials Division, Illinois Bureau of Public Roads,
in the Annual Engineering Reports. All the experimental work of the
Division is discussed in these reports.

Summary Report of the Clean Rivers Board, Department of Public
Works-

1917- Pages 141 to 153
1918- " 168 to 200
1919- " 133 to 188

"The Sampling of Materials of Road Slope and Gravel in the Field".
R. A. Clark and L. Reimarus. Proceedings of the American Society
for Testing Materials. Vol. 16, Pt. 2, p. 1916.

"The Standard Rapid Abrasion Test for Rock". A written communication
to the discussion of a paper on this subject by F. H. Jackson and
containing results of experimental work. Proceedings of the American
Society for Testing Materials. Vol. 20, Pt. 2, p 1920.

"The Minimum Road and Its Commercial Development". Second
Annual Report, Scientific and Industrial Research Council of Illinois,
1920, page 42.

"Experiments in Improving and Maintaining our Prairie Roads".
Presented to the Canadian Good Roads Association Convention at Victoria,
B. C., June 12,1923. Printed in Canadian Engineer, June 27,1923,
p. 888; Engineering and Contracting, Pert. Eng.,1924, p 227.

PART - II -

THE FINANCIAL STATEMENT

University of Alberta.

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To the Board of Governors,

University of Alberta.

Sir:-

Herewith is submitted the Financial Statement of the University of Alberta, for the year ending the 31st day of December 1922, including:

Capital Balance Sheet;

General Balance Sheet;

Income and Expenditure;

Schedules and Summaries;

These have been prepared under my direction and I believe properly and correctly set forth the operations for the year and the financial position as at December 31st.1922.

Your obedient servant,

Bursar.

To the Board of Governors,
University of Alberta.

Sir:-

Herewith is submitted the Financial Statement of the University of Alberta, for the year ending the 31st day of December 1922, including:

Capital Balance Sheet;
General Balance Sheet;
Income and Expenditure;
Schedules and Summaries;

These have been prepared under my direction and I believe properly and correctly set forth the operations for the year and the financial position as at December 31st.1922.

Your obedient Servant,

Bursar.

University Of Alberta

Capital Account ---- Balance Sheet

December 30th, 1922.

ASSETS			
University Site			
Assessed Value		1,161,000.00	
Less Appreciation Reserve		1,011,000.00	
		150,000.00	
Experimental Farm		69,117.49	219,117.49
Buildings as per Schedule			3,153,930.28
Furnishings & Equipment		473,988.59	
Library Books		45,480.61	
Travelling Libraries		20,565.53	
Printing Presses		9,885.46	549,919.99
Museum			6,200.00
Sewers and Water Mains			21,587.25
Grounds Improvements			65,872.51
Steam Lines			32,419.25
Electric Light & Telephones			5,953.74
Animal Husbandry Stock & Equipment			56,138.78
Field Husbandry " "			14,726.98
Bond Discount		12,176.90	
Less Account written off 1922		1,588.45	10,588.45
			4134454.72
LIABILITIES			
Debentures Payable,	Jan. 1,1924	2,400,000.00	
	Aug. 2,1925	750,000.00	
	Oct. 1,1925	400,000.00	
	July 1,1936	450,000.00	4,000,000.00
Accounts Payable			612.99
Library Fees			3,854.10
Contributions:			
Rockefeller Foundation		6,317.75	
Alberta Pharmaceutical Assn.		6,192.63	12,510.38
			4,016,977.47
Due to General Account			12,531.61
			4,029,509.08
Capital Reserve			104,945.64
			4134454.72

University Of Alberta

Hospital Account ---- Balance Sheet

December 30th, 1922.

University of Alberta

General Account -- Balance Sheet

December 30, 1922.

ASSETS

Inventories as per Schedule	68,264.79	
Insurance Unexpired	7,192.53	
Accounts Receivable		
General	20,663.46	
University Hospital	10,598.36	106,719.14
Trust Accounts as per Trust Balance Sheet		31,407.94
Due from Capital		12,531.61
		150,658.69

LIABILITIES

Imperial Bank O/D.	46,826.57	
Deferred Revenue --		
Room & Board prepayments	2,089.70	
Sundry prepayments	1,794.60	50,710.87
Trust Accounts as per Trust Balance Sheet		31,407.94
		82,118.81
Surplus Account	53,158.66	
Income over expenditure 1922	15,381.22	68,539.88
		150,658.69

TRUST BALANCE SHEET

December 30, 1922.

Assets

Balances on Hand Imperial Bank of Canada

General Trust Account		13,932.08	
Rockefeller Foundation		6,294.85	
Students Loan Fund		113.59	
Womens University Club, Loan Fund		30.86	
Womens University Club, Colonial History Book Account		65.28	
Law Library Fund		560.84	
19th Alberta Dragoons, I.O.D.E.		58.99	
Dr. Blais Prize		10.96	
Womens University Club Scholarship		165.49	
Sir Jas. Aiken Scholarship Fund		60.00	

Investments

Womens University Club Scholarship	1000.00		
Sir Jas. Aiken Scholarship Fund	2115.00		
Alberta Pharmaceutical Society	7000.00	10,115.00	31,407.94

Liabilities

General Trust Accounts	13,932.08	
Rockefeller Foundation	6,294.85	
Students Loan Fund	113.59	
Womens University Club Loan Fund	30.86	
" Colonial History Book Account	65.28	
Law Library Fund	560.84	
19th Alberta Dragoons, I.O.D.E.	58.99	
Dr. Blais Prize	10.96	
Womens University Club Scholarship	1,165.49	
Sir Jas. Aiken Scholarship Fund	2,175.00	
Alberta Pharmaceutical Association	7,000.00	31,407.94

TRUST BALANCE SHEET

December 30, 1922.

Assets

Loan on Hand Imperial Bank of Canada

General Trust Account		13,972.08
Hoskerfiler Foundation		6,294.85
Students Loan Fund		715.59
Women University Club. Loan Fund		30.86
Women University Club.		
Colonial History Book Account		65.28
Law Library Fund		560.64
19th Alberta Dragoons. I.O.D.E.		58.39
Dr. Blair Prize		10.96
Women University Club Scholarship		185.45
Sir Jas. Aiken Scholarship Fund		60.00

Reserve

Women University Club Scholarship	1000.00	
Sir Jas. Aiken Scholarship Fund	5118.00	
Alberta Pharmaceutical Society	7000.00	10,118.00

Liabilities

General Trust Accounts		13,972.08
Hoskerfiler Foundation		6,294.85
Students Loan Fund		715.59
Women University Club Loan Fund		30.86
" Colonial History Book Account		65.28
Law Library Fund		560.64
19th Alberta Dragoons. I.O.D.E.		58.39
Dr. Blair Prize		10.96
Women University Club Scholarship		1,185.45
Sir Jas. Aiken Scholarship Fund		5,178.00
Alberta Pharmaceutical Association	7,000.00	

University of Alberta, Hospital

Capital

New wing addition to Hospital.

Total amount to be paid by Dominion Government for Building and Equipment, $100,000.00

General Contract	63,777.00	
Heating & Plumbing	18,009.00	
Electrical	3,392.00	
		85,178.00
Equipment approx.		14,822.00
		100,000.00

To amount of work completed to date--

General Contract	40,047.69	
Heating & Plumbing	11,782.00	
Electrical	1,917.50	
	53,747.19	
Less 20% held back	10,749.41	
		$ 42,997.78

The above amount received from City of Edmonton on instructions from the Dominion Government according to Certificates signed by Resident Architect of the University of Alberta.

Agreement with City of Edmonton for purchase of Hospital property (Strathcona Hospital) for $150,000.00 debentures to be issued as follows:

72,500.00	10 years	5%
57,750.00	20 "	5%
19,750.00	20 "	
$ 150,000.00		

(above items not included in University Balance Sheets)

4

University of Alberta. Hospital

Capital

ing addition to Hospital.

tal amount to be ps id by Dominion Government for
ilding and Equipment. $100,000.00

General Contract	85,477.00
Heating & Plumbing	13,009.00
Electrical	1,898.00
	36,374.00
Equipment approx.	14,822.00
	100,000.00

mount of work completed to date--

General Contract	60,047.69
Heating & Plumbing	13,798.00
Electrical	1,917.69
	63,747.78
Less 80% held back	10,749.43
	$ 63,997.78

bove amount received from City of
ation on instructions from the
minion Government according to
ifications signed by Provincial Architect
he University of Alberta.

ment with City of Edmonton for purchase
pital property (Strathcona Hospital)
$150,000.00 debentures to be issued as
ows:

$ 78,500.00	10 years	5%
57,750.00	20 "	5%
13,750.00	30 "	5%
$ 150,000.00		

(above items not included in University Balance Sheets)

CURRENT ACCOUNT

December 30 th, 1922.

To total disbursements for 2 months ending December 31 st, 1922.	19,780.61
To total receipts received for above period	9,182.25
Balance due from Dominion Government and Sundry Patients	$ 10,598.36

Carried as Accounts Receivable on General Balance Sheet.

CURRENT ACCOUNT

December 30 th. 1922

Total disbursements for 2 months ending December 31 st. 1922.	19,730.63
Total receipts received for above period	9,139.85
Balance due from Dominion Government and Sundry Petients	$ 10,590.78

Carried as Accounts Receivable on General Balance Sheet.

STATEMENT OF EXPENDITURE and INCOME for the year 1922.

		Expenditure	Income
Provincial Government			
Proportion Succession Duties	64,092.47		
" Corporation Tax	92,538.26		
Grant from Legislature	318,259.93		474,890.66
Interest and Exchange		217,069.41	221,250.00
Rockefeller Foundation Donation			20,000.00
Fees		191.75	51,615.50
Examinations		7,035.47	7,177.90
Agriculture			
General		9,038.09	
Field Husbandry		26,883.87	350.40
Animal Husbandry		58,568.16	10,131.15
Soils		9,115.13	
Agricultural Engineering		5,535.63	
Horticulture		4,533.81	1,392.05
Dairy		1,227.59	927.61
Entomology		3,407.38	
Physical Education		2,231.97	345.00
Pharmacy		1,903.29	1,029.55
Extension Department		30,229.76	6,994.08
Residences		26,259.06	42,726.65
Dining Room		75,820.54	92,788.09
Power Plant		44,512.01	17,019.06
Dentistry		4,648.69	
Gas House		6,745.12	971.05
Teaching Buildings		23,968.81	260.63

STATEMENT OF EXPENDITURE
and REVENUE
for the Year 1922.

	Expenditure	Income
Provincial Government		
Proportion Succession Duties	64,092.47	
" Corporation Tax	32,838.58	
Grant from Legislature	818,329.32	
		474,800.64
Interest and Exchange	514,039.41	321,280.00
Hospitallor Foundation Income		80,000.00
Taxes	737.76	82,818.80
Examinations	7,038.47	7,177.90
Agriculture		
General	9,038.09	
Field Husbandry	26,983.87	330.40
Animal Husbandry	89,866.16	10,181.18
Soils	9,118.12	
Agricultural Engineering	8,838.83	
Horticulture	4,886.81	1,892.05
Dairy	1,827.39	927.81
Meteorology	8,407.86	
Agricultural Education	8,271.97	846.00
Nursery	1,908.89	1,039.88
Extension Department	36,869.76	6,904.08
Residence	86,880.06	42,726.85
Living Rooms	76,880.84	93,768.09
Power Plant	44,818.01	17,039.06
Dentistry	4,646.88	
Nurses Home	8,748.12	971.08
Nursing Buildings	28,988.01	880.83

Statement of Expenditure, etc., cont'd.

	Expenditure	Income
Calendars & Advertising	2,799.26	
Libary	3,067.86	19.20
Scholarships & Medals	860.00	605.00
Insurance	5,161.23	
Laboratories	16,475.89	103.10
Travelling	2,678.47	
Bank Interest	1,993.95	691.87
Upkeep of Motor Cars	1,501.16	
General Expenses	12,171.95	2,000.00
Bookstore	27,283.94	29,749.88
Printing	14,905.68	15,746.74
Faculty Houses	1,319.78	6,060.00
Building Repairs and Upkeep	17,055.31	2,529.50
Provincial & Industrial Laboratories	34,227.96	1,765.41
Correspondence Courses	10,119.96	
Fossil Collection	3,596.61	
Works Dept.	42,902.21	43,028.81
Electrician	3,536.43	4,065.47
Salaries	276,794.80	
Bond Discount written off	1,388.45	
Bad Debts written off	1,906.70	
	1,040,873.14	
Excess Income over expenditure	15,381.22	
	1,056,254.36	1,056,254.36

Statement of Expenditure, etc., cont'd.

	Expenditure	Income
Salaries & Advertising	$ 1,799.55	
Library	3,067.95	19.80
Laboratories & Medals	660.00	608.00
Insurance	3,163.23	
Stationeries	16,472.85	108.10
Travelling	3,676.47	
Bank Interest	1,998.53	693.87
Upkeep of Motor Cars	1,801.16	
General Expenses	18,173.98	3,000.00
Coinstore	87,288.94	59,749.88
Printing	14,905.38	14,746.74
Faculty Rooms	1,329.78	6,650.00
Building Repairs and Upkeep	17,038.83	6,389.80
Provincial & Industrial Laboratories	84,387.98	1,708.43
Correspondence Courses	10,119.96	
Special Collection	3,996.81	
Extra Dept.	49,938.83	49,089.83
Depreciation	3,388.49	4,089.47
Salaries	276,791.80	
Bond Discount written off	1,538.49	
Bad Debts written off	1,905.70	
	1,303,879.14	
Excess Income over expenditure	18,831.83	
	1,054,588.96	1,054,588.96

BUILDINGS

December 30, 1922.

Medical and Chemistry Building		1,068,109.57
Arts Building		667,695.69
Power Plant and South Laboratory		270,420.34
Mining Engineering Building		141,049.19
Heating Plant		56,447.17
Gas Plant		12,307.51
Athabasca Residence		207,944.80
Pembina Residence		260,859.41
Assiniboia Residence		213,046.40
Dining Hall		78,307.68
Faculty Residences		79,256.71
Barns	72,250.51	
Stock Judging Pavilion	4,739.82	
Silo	6,624.90	
House	2,398.45	
Dairy	994.80	
Well	686.25	
Root House	1,436.81	
Sheeks	1,054.11	90,185.65
Green House		1,427.40
Root House		445.00
Ice House		463.49
Astronomical Observatory		127.48
Construction Office		1,235.64
Carpenter Shop		2,365.17
Post Office		400.65
Bicycle Rack		123.50
Gravel		1,731.83
		$ 3,153,930.28

[illegible]

December 30, 1928.

[illegible]ical and Chemistry Building		1,069,709.57
[illegible]ts Building		667,898.68
[illegible]wer Plant and South Laboratory		375,420.34
[illegible]ining Engineering Building		341,049.19
[illegible]ating Plant		86,447.17
[illegible]n Plant		12,807.83
[illegible]chanics Residence		807,964.00
[illegible]ouths Residence		760,385.41
[illegible]nimidois Residence		413,046.40
[illegible]ining Hall		78,807.88
[illegible]ociety Residence		78,859.71
Barns	72,980.83	
Stock Judging Pavilion	4,738.88	
Silo	6,834.00	
Horses	8,398.43	
Dairy	904.00	
Veal	686.88	
Beef Cattle	1,456.81	
Sheep	1,084.11	96,384.68
[illegible]ean Horse		1,427.40
[illegible]t Horse		446.00
[illegible]e Horse		465.48
[illegible]ironmental Observatory		187.48
[illegible]nstruction Office		1,385.84
[illegible]rgeant Shop		8,588.17
[illegible]ed Office		403.68
[illegible]ogrib Race		383.50
[illegible]wed		1,731.68
		6 8,189,979.82

FURNISHINGS and EQUIPMENT

December 30,1922

Architecture		4310.20
Gymnasium		4028.32
Household Economics		5747.97
Motor Truck and Auto		2406.85
Residences, Athabasca		74800.45
Pembina & Assiniboia		
Main Teaching Buildings		62704.42
Anatomy		12306.49
Agriculture		6340.00
Biology		10887.79
Bacteriology and Pathology		10416.55
Chemistry		58414.28
Dairying		4732.79
Dentistry		3889.28
Drawing		143.55
Entomology		958.45
Engineering, Mining		19877.76
Civil		4638.26
Agriculture		1398.73
Electrical		515.43
Geology		9578.17
Mathematics		1752.70
Pharmacy		574.39
Physics		34656.54
Psychology		406.73
Physiology		28558.31
Soils		9407.96
Zoology		6912.36
Industrial Laboratory		577.77
Clinical Medicine		134.65
Machine Shop		6050.21
Medical and Chemistry Bldg.,		
Engineering	44559.41	
Sundry	42501.88	87061.29
		$ 473988.39

SCHEDULE OF FEES

December 30, 1922.

Arts	8,768.00
Arts for Applied Science	1,085.00
Applied Sciences	3,922.50
Medicine	14,557.25
Law	2,475.00
Graduate	593.50
Dentistry	5,150.50
Correspondence	2,494.75
Arts and Applied Science	604.50
Public Health Nursing	75.00
Arts and Law	1,670.00
Arts and Medicine	1,660.00
Arts and Agriculture	275.50
Pharmacy (Lic)	2,565.00
" (Degrees)	595.00
Household Economics	875.00
Commerce	883.50
"A" Languages	1,975.50
Summer School	751.00
Registration	619.00
	$ 51,615.50

Expenditure

Diplomas	191.75

SCHEDULE OF FUNDS

December 30, 1922.

Arts	$ 8,756.00
Arts for Applied Sciences	1,055.00
Applied Sciences	3,945.80
Medicine	14,057.25
Law	2,475.00
Graduate	593.50
Dentistry	3,150.80
Correspondence	2,945.75
Arts and Applied Sciences	604.50
Public Health Nursing	75.00
Arts and Law	1,670.00
Arts and Medicine	1,650.00
Arts and Agriculture	275.50
Pharmacy (Ile)	2,555.00
" (Degree)	795.00
Home Economics	675.00
Commerce	685.50
"A" Lectures	1,975.00
Summer School	751.00
Registration	615.00
	$ 51,815.50

Extraordinary

Diploma 125.75

SCHEDULE OF FEES

December 30, 1922.

Examination Fees

Supplementals	1,566,50	
A.L.S.	30.00	
Dental	115.00	
Medicine	1,326.00	
Pharmacy	75.00	
C.A.	710.00	
Law	1,605.00	
Vise Fees	109.00	
Transcript	68.00	
Degree Fee	1,190.00	
Presiding Fee	28.75	
Appeals	70.00	
Summer Reading	124.65	
Optometry	310.00	
Veterinary	50.00	7,177.90

Examination Expenditure

Supplementals	26.00	
A.L.S.	23.00	
Dental	235.00	
Medicine	691.00	
Pharmacy	18.50	
C.A.	387.66	
Law	1,073.75	
Optometry	262.65	
Professional Engineers	76.30	
Presiding, Printing & Stationery	3,073.86	
Matriculation	67.50	
Nurses	486.25	
Specials	114.00	
Special Teachers Courses	500.00	7,035.47

SCHEDULE OF ITEMS

December 30, 1939.

...tion Fees

Supplementals	1,365.50	
A.M.S.	30.00	
Dental	114.00	
Medicine	1,339.00	
Pharmacy	73.00	
C.A.	730.00	
Law	1,605.00	
Vine Yees	139.00	
Transcript	85.00	
Degree Fee	1,150.00	
Presiding Fee	66.75	
Appeals	70.00	
Summer Reading	124.65	
Optometry	210.00	
Veterinary	80.00	7,177.90

...tion Appendicitis

Supplementals	36.00	
A.M.S.	69.00	
Dental	840.00	
Medicine	691.00	
Pharmacy	18.80	
C.A.	897.65	
Law	1,079.75	
Optometry	822.65	
Professional Engineers	76.00	
Journalism, Printing & Statistics	5,079.08	
Materialization	67.80	
Nurses	406.65	
Specials	114.00	
Special Teachers Courses	800.00	7,038.47

SUMMARY

AGRICULTURE — DECEMBER 30, 1922

General

Salaries			Expenditure	Rev.
Dean	E.A.Howes,B.S.A.	4250.00		
Asst. to Dean,	Geo.Harcourt,B.S.A.	3000.00		
Stenographer	Mrs.L.E.Hooper	300.00	7550.00	
Auto		486.66		
Travelling		711.35		
Postage		39.00		
Telegram & Telephone		58.58		
Stationery & Printing		131.35		
Sundries		61.15	1488.09	9,038.09

Field Husbandry

Salaries				
Professor	G.H.Cutler,B.S.A.	4250.00		
"	R.Newton,M.Sc.B.S.A. (6 mos.)	1749.96		
Asst. to"	J.R.Fryer, M.A.	2750.00		
Lecturer,	G.B.Sanford, B.S.A. (9 mos.)	1724.94		
Stenographer	Miss C. Lamont	1080.00	11554.90	
Auto		156.06		
Travel		312.06		
Postage		147.05		
Telegrams & Telephone		127.79		
Stationery & Printing		371.67		
Photographing		78.01		
Feed		572.75		
Repairs		243.10		
Seeds		73.43		
Wages		13016.11		
Sundry		523.59		
		15621.62		
Inventory Jan. 1st, 1922		115.35		
		15736.97		
Less Inventory Dec.30,1922		408.00	15328.97	26,883.87
By Revenue				550.40

SUMMARY

S U M M A R Y

Agriculture 2.		Expenditure	Rev.
Salaries			
Professor, J.P.Sackville, B.S.A. (3 mos.)		999.99	
" A.A.Dowell, B.S.A. (8 mos.)		2666.64	
Asst. " J.H.Bowstead, M.Sc.		2600.00	
" " R.D.Sinclair, B.S.A. (3 mos.)		649.98	
" " J.E.Lattimer, B.S.A. (10 mos.)		2166.62	
Farm Manager, W.J. Thompson		1800.00	
Stenographer, Miss D. May		1080.00	11963.23
Auto		601.34	
Travel		404.24	
Postage		53.00	
Telegram & Telephone		181.38	
Stationery & Printing		362.60	
Photographing		165.25	
Water		272.33	
Light		322.40	
Repairs		2246.82	
Veterinary		706.05	
Drugs		101.07	
Fuel		485.11	
Sundry		1399.28	
Wages		21980.04	
Hay	5885.51		
Oats & Barley	6411.13		
Greenfeed	2939.59		
Bran & Meal	1550.25		
Tankage	222.20		
Oil Cake	677.75		
Salt	198.59	17885.02	
		47165.93	
Inventory Jan.1, 1922		2037.00	
		49202.93	
Less Inventory Dec.30,1922		2598.00	46604.93 58,568.16
By Revenue			10,131.15

SUMMARY

SUMMARY

Agriculture 3.

Soils

Salaries		Expenditure	Rev.
Professor, P.A.Wyatt, M.Sc. B.S.A., Ph.D.	4000.00		
Associate Prof., J.D.Newton, B.S.A., Ph.D.(7 mos.)	1633.31		
Assistants, J.L.Doughty	1620.00		
F.H.Mather(2½ ")	276.77		
A.S.Ward	775.15		
Stenographer, Mrs.L.E.Hooper	200.00	8505.23	
Postage	5.80		
Express	11.23		
Supplies	664.21		
Travelling	229.34		
Sundry	314.18		
	1224.76		
Less Inventory Dec. 31,1922	614.86	609.90	9,115.13

Agricultural Engineering

Professor, J.MacGregor Smith, B.S.A.	4000.00		
Stenographer, Mrs.L.E.Hooper	200.00		
Assistant, S.C.Robinson	79.25	4279.25	
Supplies	543.19		
Sundry	733.86		
	1277.05		
Less Inventory, Dec. 31,1922	20.67	1256.38	5,535.63

Greenhouse

Stenographer, Mrs.L.E.Hooper	100.00	100.00	
Wages	3599.45		
Supplies	171.66		
Sundry	327.61		
Seeds	141.19		
	4039.91		
Inventory Jan. 1,1922	3020.25		
	7060.16		
Less Inventory Dec. 31,1922	2626.35	4433.81	4,533.81
By Revenue			1,392.05

453581
339945
11.34.36

S U M M A R Y

SUMMARY

Agriculture 4.

			Expenditure	Rev.
Dairying				
Stenographer, Mrs.L.E.Hooper	160.00	160.00		
Light	36.29			
Repairs	78.53			
Supplies	769.30			
Sundry	113.96			
	998.08			
Inventory Jan. 1, 1922	69.51	1067.59	1,227.59	
By Revenue				927.61
Entomology				
Professor,E.H.Strickland,M.Sc. (10 mos.)	2916.60			
Assistant, Geo. Salt (1 mo.)	192.50	3109.10		
Supplies	298.28	298.28	3,407.38	
			$118,309.66	$12,801.21

1227.59

SUMMARY

S U M M A R Y

DECEMBER 30, 1922.

Physical Education

Rink	729.96	
Tennis	972.50	
Gymnasium	48.32	
Athletic Grounds	578.46	
Sundry	102.93	$2231.97
By Revenue Tennis Courts		$345.00

Pharmacy

Supplies	1903.29	$1903.29
By Revenue		$1029.55

SUMMARY

SUMMARY

December 30,1922.

EXTENSION DEPARTMENT

General

Director,A.E.Ottewell,M.A.	3200.00		
Asst. " E.A.Corbett, M.A.	2700.00		
Lecturer, H. Paton	2300.00		
" H.H.Pike (2 mos.)	300.00		
Stenographer,Miss A.Nelson	1164.51		
" Miss B.Lewis	16.45		
" Miss R.Dow(2½ mos.)	200.00		
" " E.Kilgour (2½ mos.)	212.50		
" " A. Fuog (5 mos.)	150.00		
" " B. Turner	21.00	10264.46	
Travel	1965.79		
Week for Farm Young People	229.95		
Printing	491.62		
Postage	131.20		
Stationery	315.61		
Telegrams	42.82		
Telephones	117.25		
Sundry	168.14		
	3462.38		
Inventory, Jan.1, 1922	1395.00		
	4857.38		
Less Inventory,Dec.30, 1922	2348.75	2508.63	12,773.09
By Revenue Farm Convention			90.00

Travelling Libraries

Salaries

Librarian,Miss J.F.Montgomery, B.A.	1900.00		
Asst. " Miss E.M.Chiverton	900.00		
Stenographer,MissO.E.McDowell	1020.00		
" Miss A.Corbett(3 mos.)	120.00		
" Miss A.Malchor(5½ ")	456.77		
Assistant, R.W. Moss	720.00	5116.77	
Postage	161.43		
Printing	395.64		
Freight and Express	45.89		
Periodicals & Replacements	1535.94		
Library Boxes	287.70		
Sundry	248.28	2674.88	7,791.65
By Revenue			139.71

SUMMARY

December 23,1922.

[illegible] DEPARTMENT

[illegible]rd

[illegible]ston,A.E.Ottewell,M.A.	$200.00	
" E.A.Derbett, M.A.	2700.00	
[illegible]ver, E. Peton	2600.00	
" M.H.Pike (2 mos.)	600.00	
[illegible]ogsgber,Miss A.Nelson	1164.83	
Miss E.Lewis	76.65	
Miss E.Dow(2½ mos.)	200.00	
" E.Hilgour (2½ mos.)	208.00	
" A. Pugg (3 mos.)	360.00	
" B. Turner	83.00	10864.46
[illegible]ed	1268.78	
[illegible]r Men Young People	295.65	
[illegible]ding	491.80	
[illegible]ng	1171.50	
[illegible]inery	814.85	
[illegible]ering	40.00	
[illegible]phone	117.00	
[illegible]ity	109.14	
	2482.30	
[illegible]ntory, Jan.1, 1922	1298.02	
	4827.38	
[illegible]. Interest,Dec.30, 1922	8966.72	8603.68 14,779.09
By Revenue Plus Conversion		90.00

Traveling Library

[illegible]rian

[illegible]rian,Miss J.P.Montgomery, B.A.	1800.00	
" Miss E.M.Galvert	900.00	
[illegible]ogsgber,Miss0.E.Hodgewell	1080.00	
" Miss A.Corbett(3 mos.)	180.00	
" Miss A.Melanor(8½ ")	466.77	
[illegible]ebert, R.K. Moss	730.00	6116.77
[illegible]ge	167.48	
[illegible]ting	398.64	
Light and Expense	46.30	
[illegible]ellaneous & Supplementa	1838.94	
[illegible]rary Horse	887.70	
[illegible]ary	240.88	3974.66 7,791.43
By Revenue		130.73

SUMMARY

Extension Dept. -2-

Visual Instruction

Salaries

Supervisor, H.P. Brown	2100.00		
Clerk, Miss Jessie Cook	900.00		
Lab. Assistant, Miss O. Shaw	900.00		
Stenographer, Miss Z. Hastie (7 mos.)	595.00		
" Miss C. Ward (1½ mos.)	105.00		
" Miss E. Kilgour (3½ mos.)	257.50	4857.50	
Printing	93.94		
Sundry	587.24		
Trading	4328.04		
Photos	1085.53		
Slides	1226.58		
Films	2115.29		
	9436.62		
Inventory, Jan. 1, 1922	10920.70		
	20357.32		
Less Inventory, Dec. 30, 1922	15549.80	4807.52	9,665.02
By Revenue			6,764.37
			$30,229.76 $6,994.08

SUMMARY

Visual Instruction Dept. -2-

S U M M A R Y

December 30, 1922

Residences

Salaries

Superintendent, Miss E.J. Russell	916.11		
Water	1659.86		
Light	4127.80		
Supplies	1454.40		
Laundry	3211.00		
Sundry	1735.07		
Telephone	280.53		
Wages, Maids	5841.22		
" Janitors	6915.57		
" Night Watchman, R. Lester	120.00	26,259.06	
By Revenue			42,726.65

Dining-Room

Salaries

Superintendent, Miss E.J. Russell	916.12		
Dietician, Miss D. Curry (3-2/3mo.)	366.65		
Wages, Maids	6416.22		
" Chef	2145.96		
" Assistants	5399.26		
Provisions	55406.03		
Laundry	651.85		
Light and Power	1700.10		
Telephone	45.85		
Repairs	1264.67		
Utensils	1491.03		
Sundry	1275.41		
	77079.15		
Inventory, Jan. 1, 1922	2562.22		
	79641.37		
Less Inventory, Dec. 31, 1922	3820.83	75,820.54	
By Revenue			92,788.09

SUMMARY

December 30, 1922

Woldemere

Assets	
Liabilities	
Net Worth	

Dining-Room

Assets	
Liabilities	
Net Worth	

2.

S U M M A R Y

Power Plant

R. R. Couper	1041.35	
Wages, Engineers	10380.00	
" Firemen	8249.75	
" Electrician	531.75	
Extra Labor	79.25	
Coal	17425.74	
Oil	272.86	
Light	1949.82	
Repairs	1712.97	
Sundries	2738.97	
	44382.44	
Inventory, Jan. 1, 1922	1398.20	
	45780.64	
Less Inventory, Dec.31,1922	1268.63	44,512.01
By Revenue		17,019.06

Dentistry

Instructor, H.A.Gilchrist, D.D.S.	1725.00	
" H.E.Bulyea, D.M.D.	1185.00	
Supplies	1738.69	4,648.69

Gas Plant

Coal	572.14	
Oil	5194.24	
Repairs	332.16	
Light	30.00	
Wages	2711.65	
Sundry	31.63	
	6871.82	
Inventory, Jan. 1, 1922	313.80	
	7185.62	
Less Inventory, Dec.30,1922	440.50	6,745.12
By Revenue		971.05

S U M M A R Y

Power Plants

Cooper	1041.35	
Engineers	1038.00	
Firemen	826.75	
Electricians	831.75	
Labor	79.25	
	1768.75	
	218.80	
	1949.25	
	1728.97	
	2733.97	
	44882.44	
Inventory, Jan. 1, 1932	1880.00	
	46762.44	
Inventory, Dec.31,1932	1888.65	44,873.81
	By Revenue	14,038.06

Dentistry

Proctor, H.A. Gilchrist, D.D.S.	1728.00	
" H.E.Mullyan, D.M.D.	1788.00	
	1738.69	4.649.69

Gas Plants

	872.74	
	1794.24	
	882.18	
	80.00	
	1731.65	
	31.84	
	8871.82	
Inventory, Jan. 1, 1932	2314.80	
	7138.82	
Inventory, Dec.30,1932	446.80	6,692.12
	By Revenue	972.08

3. SUMMARY

Maintenance - Main Teaching Buildings.

Wages	10579.02		
Laundry	307.50		
Light	9421.32		
Water	2106.55		
Supplies	1075.36		
Sundry	289.46		
	23779.21		
Inventory, Jan. 1, 1922	694.70		
	24473.91		
Less Inventory, Dec.30, 1922	505.10	23,968.81	
By Revenue			260.63

Printing and Advertising

Calendars and Pamphlets	2057.19		
Press Bulletin	701.65		
Sundry	60.42	2,799.26	

Library

Postage	18.50		
Merchandise	2854.22		
Sundry	195.14	3,067.86	
By Revenue			19.20

SUMMARY

4.

S U M M A R Y

SCHOLARSHIPS & MEDALS

Matriculation Scholarships	50.00	
Jas. Ramsey Gold Medal	30.00	
College of Physicians & Surgeons	150.00	
Lloyd Hartnell Bishop	200.00	
Alberta Pharmaceutical Assen.	80.00	
Heustis Memorial	25.00	
Students Loan Fund	200.00	
Ash Bros. - 3 Gold Medals	105.00	
Jackson Bros. 1 " "	20.00	860.00

By Revenue:

Chief Justice Horace Harvey	55.00	
H.W. Heustis Memorial	25.00	
L.H. Bishop Memorial	200.00	
College of Physicians & Surgeons	150.00	
Womens University Club	55.00	
J. A. McDougall	55.00	
Mr. Jas. Ramsey	55.00	
Alberta Pharmaceutical	55.00	
Leverendrye Club	55.00	
Moshier Memorial	20.00	605.00

Insurance

Unexpired Dec. 31,1921	6489.67	
Premium 1922	5864.09	
	12353.76	
Less unexpired, Dec.31,1922	7192.53	5,161.23

SUMMARY

SCHOLARSHIPS & MEDALS

Scholarships	50.00	
Memory Gold Medal	50.00	
Edge of Physicians & Surgeons	150.00	
Boyd Martell Bishop	100.00	
Delta Pharmaceutical Assoc.	50.00	
Delta Memorial	25.00	
Alpha Loan Fund	300.00	
Bros. - 3 Gold Medals	135.00	
Simon Bros. 1 " "	50.00	860.00

Reverse:

Order of Justice Horace Harvey	25.00	
Horatio Memorial	25.00	
Bishop Memorial	200.00	
Edge of Physicians & Surgeons	150.00	
Sigma University Club	25.00	
A. McDougall	25.00	
Mrs. Harvey	25.00	
Delta Pharmaceutical	25.00	
Dramatic Club	25.00	
Victor Memorial	50.00	508.00

INVESTMENTS

Invested Dec. 31,1922	6489.67	
Return 1923	2564.09	
	10053.76	
Reinvested, Dec.31,1923	7398.85	8,163.20

SUMMARY

Laboratories

Anatomy		1744.27	
Botany		896.51	
Bio-Chemistry		1779.87	
Civil Engineering		625.66	
Chemistry		2696.06	
Drawing & Architecture		81.65	
Electrical Engineering		378.76	
Geology		1201.66	
Mining Engineering		517.95	
Mathematics		338.18	
Moderns & Political Economy		40.75	
Physiology		1722.07	
Physics		2177.76	
Philosophy		247.50	
Pathology		21.60	
Zoology		1477.99	
Household Economics	515.47		
Inventory, Jan.1,1922	50.00		
	565.47		
Less " Dec.30,1922	137.82	527.65	16,475.89
By Revenue Physics			103.10

Travelling Expenses

Board of Governors	259.90	
Senate	73.90	
President	1341.07	
Staff and Sundry	1003.60	2,678.47

Bank Interest and Discount

Disbursements		1,993.95
Revenue		691.87

Upkeep of Motor Cars

President's Car:-			
	Gas	86.10	
	Repairs	155.28	
	Sundries	37.07	278.45
Truck:-			
	Gas	864.79	
	Repairs	506.35	
	Sundries	51.57	1,222.71
			1,501.16

S U M M A R Y

Laboratories

		1744.87	
		996.81	
-Chemistry		1178.87	
l Engineering		652.56	
istry		2696.05	
ring & Architecture		81.65	
rical Engineering		895.76	
ogy		1203.66	
ng-Engineering		617.95	
ematics		389.15	
ure & Political Economy		40.75	
ilosophy		1928.07	
ics		2177.75	
ography		847.80	
ology		81.60	
ogy		1477.95	
ebrew Economics	818.47		
ersity, Jan.1,1922	80.00		
	898.47		
" Dec.30,1922	1247.92	897.65	16,478.89
My Income Physics			108.10

Prevailing Expenses

d of Governors		829.90	
ks		75.50	
sident		1813.07	
r and Bursary	1008.60		8,678.47

Bank Interest and Discount

ourcements		1,982.82
ense		807.07

Salaries of Motor Cars

dent's Car:-

Gas		86.70	
Repairs		138.58	
Sundries		27.07	378.45
ph:-			
Gas		864.79	
Repairs		906.39	
Sundries		91.07	1,862.24
			1,801.16

6.

S U M M A R Y

Contingencies

Postage	742.85	
Telegrams	190.17	
Telephones	1439.99	
Stationery and Printing	2398.08	
Typewriters and Adding Machine	515.85	
Salaries, Summer School	2140.00	
" Extra Assistance	561.50	
Sundry	1851.32	
Imprest Fund	2000.00	11,839.76
Freshman Committee -		
Sundries	276.92	276.92
Clinical Medicine		
Alberta Hospital Association Fees	50.00	
Extension Dept. Photo	1.00	51.00
Night Watchman		
Punch Clocks	162.11	
Less Inventory Dec.30/1922	157.84	4.27
		12,171.95

By Revenue

Refund of Imprest Fund	2,000.00

SUMMARY

Contingencies

Postage	742.85	
Expense	709.17	
Telephone	1458.99	
Stationery and Printing	2392.03	
Advertising and Adding Machine	818.88	
Parties, Summer School	2140.00	
" Extra Assistance	501.84	
Salary	1884.32	
Interest Fund	2000.00	12,839.78
Chairman Committee -		
Supplies	276.98	276.98
Clinical Medicine		
Alberta Hospital Associ-		
ation Fees	50.00	
Extension Dept. Photo	1.00	51.00
Dept Extension		
Fund Classics	769.11	
Less Inventory Dec.30\1922	157.64	6.47
		12,171.95
Revenue		
Refund of Improst Fund		5,000.00

7. **S U M M A R Y**

Bookstore

Salaries

Manager, C.W.Hosford	1500.00		
Assistant, A.G.Hosford	900.00		
Extra Asst. Miss Dow	52.90		
Miss H.Edwards	2.70		
Miss S.McLennan	8.00		
H.R.McMillan (2 mos.)	140.00		
A.R.Wilson	11.60		
Post Office Clerk, MissE.Killens	1020.00	3655.20	
Expenses	132.41	132.41	
Merchandise	20425.45		
Inventory, Jan.1, 1922	20981.53		
	41406.98		
Less Inventory, Dec.30, 1922	17890.65	23516.33	27,283.94
By Revenue			29,749.8

Printing

Manager, Jas. Bill	2300.02		
Power	109.50		
Expenses	230.70		
Plant	1467.95		
Wages	5778.34		
Merchandise	5286.12		
	15172.63		
Inventory, Jan.1, 1922	7313.09		
	22485.72		
Less Inventory, Dec.30, 1922	7580.04	14905.68	14,905.68
By Revenue			15,746.74

S U M M A R Y

8.

S U M M A R Y

Faculty Houses

House No. 1.	Dr. Tory	139.48		
2.	C.E. Race	58.03		
3.	W.A.R. Kerr	85.87		
4.	A.F.L. Lehman	52.04		
5.	A. West	86.96		
6.	J. A. Allan	120.61		
7.	E. W. Sheldon	255.81		
8.	E. A. Howes	47.65		
9.	C. S. Burgess	43.83		
10.	C. A. Robb	18.22		
11.	S. Smith	23.19		
12.	D. E. Cameron	53.25		
	General	115.30		
	Steam Line	259.54	1,319.78	
By Revenue				6,060.00

Building Repairs

Salary, Supt. of Property, J. A. Langlands	1900.00		
Arts Building	1866.75		
Double Laboratory & Power Plant	253.10		
North Engineering Building	1032.47		
Pembina Residence	755.14		
Athabasca "	1410.43		
Assiniboia "	1616.20		
South Engineering Building	391.12		
Medical & Chemistry Building	1096.14		
Grounds	4891.52		
Dog House	1779.39		
Sundry	85.05	17,055.31	
By Revenue Grounds			2,529.50

S U M M A R Y

Faculty Expenses

No. 1.	Dr. Tory	139.49	
2.	C.H. Mace	56.05	
3.	W.A.R. Kerr	85.87	
4.	A.J.I. Coleman	82.04	
5.	A. West	96.96	
6.	J. A. Allan	130.81	
7.	B. W. Sheldon	206.81	
8.	B. A. Howse	47.65	
9.	C. S. Burgess	45.85	
10.	C. A. Robb	18.82	
11.	S. Smith	55.19	
12.	D. H. Cameron	86.85	
	General	118.50	
	Steam Line	259.84	1,819.78
Revenue			6,060.00

Building Repairs

ary, Supp. of Property,		
J. A. Langlands	1800.00	
Building	1868.75	
ic Laboratory & Power Plant	2274.10	
th Engineering Building	1058.47	
bins Residence	795.14	
Annex "	1410.46	
inbols "	1018.20	
th Engineering Building	291.12	
ical & Chemistry Building	1098.14	
ouse	4057.58	
Power	1779.35	
dry	85.08	17,085.21
Revenue Grounds		2,859.00

SUMMARY

Industrial Laboratory

Prov.Analyst,J.A.Kelso,M.Sc.	3750.00		
Lab.Assistant, A.G.Scroggie,B. Sc. (8 mos.)	1000.00		
Lab.Assistant,H.R.Gaetz (5 mos.)	500.00	5350.00	
Postage	33.10		
Supplies	332.43		
Express	12.41		
Sundry	77.98		
Towells	29.60		
Ice	10.70	496.22	5,846.22
By Revenue			1,785.41

Provincial Laboratory

Salaries

Director,A.C.Rankin,C.M.G.,M.D.C.M. D.P.H.,C.R.C.P.,M.R.C.S.	4250.00		
Prov. Serologist,J.J.Ower, B.A., M.D.,C.M.	4000.00		
Prov.Bacteriologist, R.M.Shaw, B.A.,M.D.,C.M.,D.P.H.	3000.00		
Lab.Assistant,Miss A. Watson	1320.00		
" " " H.Parkinson	435.00		
" " " L.Smith	960.00		
" " J.Walker (5 mos.)	625.00		
" " W.D.Morris(2 ")	120.00		
" " Jean McFarlane	38.33		
" " L.C.Harris	100.00		
Lab.Boy, E.Southern & L.Leigh	970.00		
Clerk, Miss Annie Newton	1380.00		
Stenographer,Miss M. Paul	900.00	18098.33	
Public Health, Dr. H. Orr	210.00		
" Diplomas	10.00	220.00	
Auto Expenses	689.37		
Postage	247.86		
Telegrams	69.92		
Telephone	109.60		
Supplies	4345.62		
Express	205.76		
Towels	342.35		
Ice	281.70		
Stationery	724.78		
Repairs	508.68		
Periodicals,etc.	206.41		
Clinic	226.91		
Sundry	2104.45	10065.41	28,381.74
			$34,227.96 1,785.41

SUMMARY

10.

S U M M A R Y

Teachers Courses

Director, D.S.McKenzie	3300.00	
Instructor, Miss J.M.McBratney	1800.00	
" Miss A.Norrington,B.A.	1800.00	
" Mrs.E.T.Mitchell,B.A.	1800.00	
Stenographer, Miss H.S.Edwards,B.A.	1043.45	9743.45
Postage	84.00	
Stationery	236.94	
Sundries	55.57	376.51
		10119.96

Fossil Collection

Collector, G.F.Sternberg	991.66	
Asst. " W.H. Harrington	408.54	
C.W. Gilmore	672.50	
Supplies	1107.15	
Travelling & Sundry	416.76	3596.61

Debenture Interest

4½ % on 2,000,000	90000.00	
6 " 100,000	6000.00	
5½ " 300,000	16500.00	
6½ " 450,000	29250.00	
6 " 750,000	45000.00	
6 " 400,000	24000.00	
	210750.00	
New York Exchange	6319.41	217,069.41
By Revenue		221,250.00

S U M M A R Y

11.

S U M M A R Y

Works Department

Salaries

Superintendent, F. R. Hiron	2700.00	
Machinist, A.W. McFarlane	1780.40	
" J. McDonald	825.00	5,305.40
Light and Power	412.99	
Wages	22168.33	
Merchandise	14705.30	
Sundry	1062.95	
	38349.57	
Inventory, Jan. 1, 1922	9694.07	
	48043.64	
Less Inventory, Dec. 30, 1922	10446.83	37,596.81
		42,902.21
By Revenue		43,028.81

Electrician

Wages, H. Miller	2160.00	
Purchases	1271.54	
Sundry	39.35	
	3470.89	
Inventory, Dec. 31, 1921	1915.66	
	5386.55	
Inventory, Dec. 31, 1922	1850.12	3,536.43
Revenue		4,065.47

S U M M A R Y

Works Department

Superintendent, E. R. Hixon	$700.00	
Chemist, A.V. McFarlane	1780.40	
" J. McDonald	850.00	$ 3,328.40
Fuel and Power	423.39	
Gas	2216.35	
Maintenance	1470.30	
Salary	1062.36	
	5972.40	
Inventory, Jan. 1, 1922	5094.07	
	10966.47	
Inventory, Dec. 30, 1922	10446.85	37,359.81
		42,908.21
By Revenue		42,908.21

Electrolizer

Mega, E. Miller	2160.00	
Materials	1873.84	
Salary	39.35	
	3873.89	
Inventory, Dec. 31, 1922	1915.66	
	5956.55	
Inventory, Dec. 31, 1922	1850.12	3,356.43
Revenue		4,065.47

SCHEDULE OF SALARIES

President	Dr. H. M. Tory	8000.00	
President's Secy.	Miss B. Ockley, B.A.	1500.00	9500.00
Registrar's Office			
Registrar	C. E. Race, B.A., C.A.	4250.00	
Registrar's Assistant	D. J. Tevistdale, M.A.	1500.00	
Examinations Clerk	Miss Tregillus, M.A.	1380.00	
Clerk of Records	Miss M. Hayward (7 months)	805.00	
	Miss J.McIntosh,B.A.(8 mths.)	600.00	
Stenographers	Miss F. Stubbs, B.A.	1320.00	
	Miss B.D. Gardner, B.A.	960.00	10815.00
Bursar's Office			
Bursar	A. West	3750.00	
Accountant	G. P. Ponton	677.42	
"	E. W. Dunn	1225.01	
Cashier	Miss M. Talbot	1500.00	
Bookkeeper	V. O. Wiseman (11 months)	1650.00	
"	J. Fraser	286.29	
Ledgerkeeper	J. Faulkenburg (1 month)	70.00	
Clerk	E. Dingle	111.30	
Stenographer	Miss L. Carrigan	1080.00	
"	Miss H. E. Ball	960.00	
"	Miss J. L. Corbett	641.43	
"	Miss E. Kilgour (3½ months)	297.50	
Switchboard Operator	Miss E. Robinson (1 month)	72.00	
" "	Miss P.S. Ball (11 months)	775.00	
Office Boy	W. Sharpe	140.00	
Extra Assistance	B. C. Thompson	100.00	
" "	Miss J. G. Cuthbertson	130.00	
" "	W. L. Hanks	42.00	
" "	Miss L. Sanson	41.93	13549.88
General Stenographer	Miss A. Malcolmson, B.A.	1020.00	1020.00
Library			
Librarian	D. E. Cameron, B.A.	3000.00	
Assistant	Miss K. Calhoun (10 months)	1583.33	
"	Miss G. Jackson, B.A.	1500.00	
"	E. H. Davis	120.50	
"	K. Brodus	58.05	
"	Miss E. Andrews	68.55	
"	Miss Y. Richard	173.55	
"	J. A. Morrison	30.00	6533.98
Faculty of Arts & Science			
Dean	W. A. R. Kerr, M.A., Ph. D.	500.00	
Secretary	Miss A. Wilson, B.A.(7½ mths)	935.49	
"	Miss M.C.Archibald,B.A. 4½ ")	383.87	1819.36
Faculty of Medicine			
Dean	A. C. Rankin, M.D.,D.P.H.	500.00	500.00

Faculty of Applied Science			
Dean	R.W. Boyle,M.A.,Ph.D.	500.00	500.00
Faculty of Agriculture			
Dean	E.A. Howes, B.S.A.	500.00	
Secretary	Miss V. May (5 months)	500.00	
"	Miss B.D.Lewis(7 ")	507.50	1507.50
Provosts Department			
Provost	J.M.MacEachern,M.A.,Ph.D.	500.00	
Advisor to Women Students--Miss F.E.Dodd,B.Sc.		2400.00	
Nurse	Miss Batty	300.00	3200.00
Classics			
Professor	W.H.Alexander,M.A.,Ph.D.	4500.00	
Associate Professor	Geneva Misener,M.A.,Ph.D.	3000.00	
Lecturer	W.G.Hardy, M.A.	2500.00	
"	L.C.Cox, M.A.,Ph.D.(4 mths.)	400.00	
"	S.R.Laycock,M.A.,B.D.(4 ")	300.00	10700.00
English			
Professor	E.K.Brodus,M.A.,Ph.D.	4500.00	
Associate Professor	R.K.Gordon,M.A.,Ph.D.	3750.00	
Lecturer	P.A.W.Wallace,B.A.(8 mths.)	1600.00	
"	F.W. Salter,B.A.,A.M.	766.64	
Reader	J. T. Jones, B.A.	640.00	
"	Miss M.H. Villey	100.00	11356.64
Moderns (French & German			
Dean	W. A. R. Kerr, M.A.,Ph.D.	4500.00	
Professor	J. F. Coar,M.A.,Ph.D.	4000.00	
Associate Professor	E. Sonet, Bes.L.	3000.00	
Assistant "	A. P. Pelluet	2600.00	
Lecturer	Francis Owens, M.A.	2300.00	
"	H. DeSavoye,Bes.L.,L.L.B.	2300.00	
Reader	J. Richard	200.00	18900.00
Philosophy			
Professor	J. M. MacEachran,B.A.,Ph.D.	4500.00	
Lecturer	E. D. McPhee, M.A.	2300.00	
"	John McDonald, M.A.	2500.00	
Reader	Wm. Line, B.A.	100.00	9400.00
Hebrew & Ancient Oriental History			
Lecturer	Rev. A.D.Miller,M.A.,B.D.	600.00	600.00
Architecture & Drawing			
Professor	C.S. Burgess,A.R.I.B.A. (10 months)	3333.35	
Associate Professor	James Adam, M.A.	3000.00	6333.33

Anatomy			
Professor	D.G.Revell, B.A.,M.D.	4250.00	
Assistant Professor	R.F. Shaner, Ph.D.	3000.00	
Lecturer	H. J. Minnish, M.D.	1875.00	
"	Evan Green,M.D.,C.M.	1500.00	
Technician	A. G. Fairall	1500.00	
Lab. Assistant	L. D. Lenfant	320.00	
" "	J. W. Smiles,	280.00	
Demonstrator	F. J. Folinsbee,M.R.C.S. L.R.C.P.	200.00	
"	W. Hustler, M.D.	150.00	
"	H. H. Hepburn,M.D.,C.M.	100.00	
"	J. Adamson, M.D.	250.00	
"	J. A. McPherson, M.B.	250.00	13675.00
Physiology			
Professor	A.W. Downs, M.A.,M.D.,D.Sc.	4500.00	
Assistant Professor	H. B. Eddy, M.D.	2700.00	
Demonstrator	E.C. Smith, M.D.	1400.00	
Demonstrator	I. R. Bell, B.A.,M.B.	1000.00	
Lab. Assistant	C. Croft	840.00	
" "	H. D. Nurse	129.03	
Caretaker Animals	R. Lester (4 months)	120.00	10689.03
Bio-Chemistry			
Professor	J. B. Collip (7 months)	1550.00	
Assistant Professor	C.H.Bills,B.Sc.(8 ")	1533.28	
" "	G.Lochhead,Ph.D.(4 ")	766.64	
Technician	A. A. Long	1500.00	5349.92
Clinical Medicine			
Professor	H. C. Jamieson, M.B.	2124.95	
Demonstrators:	Dr. W. N. Scott	250.00	
	Dr. M. E. Hall	250.00	
	Dr. I. R. Bell	250.00	
	Dr. D. A. Blais	250.00	
	Dr. D. B. Leitch	250.00	
	Dr. A. R. Munroe	250.00	
	Dr. G.C. Gray	250.00	
	Dr. W. A. Wilson	250.00	
	Dr. H. H. Hepburn	400.00	
	Dr. F. J. Folinsbee	50.00	
	Dr. J. O. Orobko	150.00	
	Dr. C. W. Hurlburt	250.00	
	Dr. A. W. McBeth	200.00	
	Dr. H. B. Logie	250.00	
	Dr. O. F. Strong	150.00	5574.95
Clinical Surgery			
Professor	W.H. Newburn,M.D.,C.M.,L.L.D.	5000.00	
Anaesthetist	J. A. Blezard	240.00	5240.00

Mathematics			
Professor	E.W. Sheldon, M.A., Ph.D.	4250.00	
"	S.D.Killam, M.A., Ph.D.	3750.00	
Associate Professor	J.W.Campbell, M.A., Ph.D.	2900.00	
Lecturer	T.H. Milne, M.A.	2100.00	
Instructor	R.S. Sheppard	100.00	
"	Miss J. Ballantyne	75.00	13175.00
History			
Professor	A.L. Burt, M.A.	3750.00	
Assistant Professor	M.H. Long, B.A.	2700.00	
Lecturer	C.T. Allwork, B.A.	300.00	
Reader	Miss S. McLellan	100.00	6850.00
Economics			
Professor	D.A.McGibbon, M.A., Ph.D.	4000.00	
Lecturer	A.F.McGown, B.A., C.L.	2300.00	
Reader	Miss D. Diller	125.00	6425.00
Chemistry			
Professor	A.F.L.Lehman, B.S.A., Ph.D.	4500.00	
Assistant Professor	O.J.Walker, M.A., Ph.D.	2700.00	
" "	O.C.Bridgeman, M.A. (4 mos.)	766.64	
" "	R.B.Sandin, M.A., (4 mos.)	700.00	
Lecturer	Miss G.Leavell, M.Sc. (8 mos.)	1200.00	
"	N.M.Stover, M.Sc.	1500.00	
Lab. Assistant	M.E.Stack (4 mos.)	194.60	
" "	L.C.Watlings	1200.00	
Demonstrator	V.V. Drake (4 mos.)	353.33	
"	J.J. Thompson (4 mos.)	309.33	
"	C. Reid	200.00	
"	B.J. Mair	350.00	
"	W.L. Macdonald	350.00	
"	J. Shannon	418.66	
"	E.W. Gardner	200.00	
"	L. Good	200.00	
"	J. Martin (3 mos.)	150.00	
"	W. Line (3 mos.)	199.95	
"	W.G. Jewitt (3 mos.)	49.95	
Glassblower	J.E. Ensell	109.20	15651.66
Botany & Biology			
Professor	F.J. Lewis, D.Sc.F.R.S.E.	4250.00	
Lecturer	M.F.Rivett, B.Sc. (8 mos.)	1400.00	
"	E.H. Moss, M.A.	2100.00	
Lab. Assistant	A. Campbell	628.03	
Demonstrator	Miss E. McKittrick	18.00	
"	H. Hegler	36.00	
"	Miss A. Garbutt	45.00	
"	Miss A. Norrington	50.00	
"	Miss S. Dowding	531.00	9058.03
Zoology			
Associate Professor	W. Rowan, M.Sc.	3000.00	
Demonstrator	W.J.K. Harkness (4 mos.)	400.00	
"	F. Brown, (8 mos.)	640.00	
"	Miss D. Pelluet, B.Sc. (8 mos.)	666.64	
"	A. Watson (4 mos.)	322.60	5029.24

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Geology			
Professor	J.A.Allan,M.Sc.,Ph.D.	4250.00	
Lecturer	P.S.Warren,B.A.,A.R.C.S.	2300.00	
Assistant	Miss Vera Lee,M.Sc.(5 mos.)	328.00	
Lab. Assistant	J. Sanderson	483.00	
" "	Mrs. V.L.Stover	120.00	
" "	R.H. Pegrum	27.41	7508.41
Mining Engineering			
Professor	N.C.Pitcher, M.Sc.	4500.00	
Associate Professor	A.E.Cameron, M.Sc.	2900.00	
Lab. Assistant	W. Holmes	1080.00	
" "	J.W. Lewis (5 mos.)	416.65	
" "	N.H. Atkinson (3 mos.)	249.99	9146.64
Civil Engineering			
Professor	R.S.L.Wilson, B.Sc.	4000.00	
Lecturer	M.Fife, B.Sc. (8½ mos)	1770.81	
"	H.R. Webb, B.Sc.(4 mos.)	600.00	
Lab. Assistant	A. McPherson	32.50	6403.31
Mechanical Engineering			
Professor	C.A. Robb, B.Sc.M.S.	4000.00	4000.00
Applied Mechanics			
Associate Professor	I.F. Morrison, B.Sc.	3500.00	3500.00
Physics			
Professor	R.W. Boyle, M.A.,Ph.D.	4499.99	
Associate Professor	S. Smith, M.A.,B.Sc.	2900.00	
Lecturer	R.J. Lang, M.A.,(8 mos.)	1666.64	
"	S.C. Morgan, B.Sc.	2500.00	
Assistant	J.F. Lehman	1200.00	
"	H.B. Clow	1320.00	
Lab. Assistant	J. E. Duncan	160.00	
" "	E. S. McKitrick	555.00	
" "	L.H. Fear	200.00	
" "	A. W. Fraser	255.00	
" "	L. H. Nichols	692.61	
" "	C. Reed	92.00	
" "	H.B. Leborveau	104.00	
Glassblower	G. Ensell	1090.80	17236.04
Physics (Electrical Engineering)			
Associate Professor	H.J. McLeod, M.Sc.	2900.00	2900.00
Physical Education			
Medical Examiner	Dr. R. M. Shaw	300.00	
Directors	C.O.T.C.	200.00	
Assistant Director	Mrs. Anderson (2 mos.)	130.00	
	Jas. Bill	300.00	
	Miss Edna Bakewell	150.00	
	F. F. Brunton	90.00	
	J. D. Neilson	60.00	
	W. E. Addinell	60.00	
Pianist	Frank Morbury	24.00	
Trainer	J. Buchanan	1500.00	2814.00

Pharmacy & Materia Medica			
Professor	H.H. Gaetz	4000.00	
Lecturer	F.A.S. Dunn, Ph.C.M.P.S.	2600.00	
Assistant	A. E. Edlund	100.00	6700.00
Household Economics			
Lecturer	Miss M. Patrick, B.A.	1399.92	
"	Miss E. Deadman, B.A.	1833.32	
Asst. "	Miss Eva McMillan	900.00	
Asst. "	Miss G. Gladstone (4 mos.)	533.32	4666.56
Law			
Lecturer	J. Weir, B.A., L.L.B.	2800.00	
"	V.E. Eleven, B.A., L.L.B. (4 mos.)	833.32	
Special Lecturer	W.D. Craig	620.00	
	F. Ford	50.00	
	E. T. Bishop	100.00	
	A. E. Popple	220.00	
	A. F. McGown	50.00	
	A. G. Bury	120.00	
	G. H. Steer	475.00	
	W. Kent Power	180.00	
	J. B. Baron	200.00	
	A. Hanna	110.00	
	A. M. Sinclair	80.00	
	L. W. Brockington	70.00	
	W. G. Egbert	80.00	
	W. H. Sellar	360.00	
Library Assistants	A. G. Baker	50.00	
	R. M. Sheridan	100.00	
	Miss Lois Black	50.00	
	L. J. Shepard	75.00	6623.32
Night Watchmen			
C. Mc.Coleman		900.00	
W. Wickens		63.00	963.00
Transfer Driver			
H. Dean		1380.00	1380.00
			$ 276794.80

INVENTORIES CURRENT

December 30, 1922.

Field Husbandry	408.00
Animal Husbandry	2,598.00
Night Watchman block.	157.84
Main Teaching Buildings	505.10
Greenhouse	2,626.35
Household Economics	137.82
Dining Room	3,820.83
Agricultural Engineering	20.67
Gas Plant	440.50
Power Plant	1,268.63
Soils	614.86
Extension	
General	2,348.75
Trading	15,549.80
Bookstore	17,890.65
Printing Department	7,580.04
Works Department	10,446.83
Electrician	1,850.12
	$ 68,264.79

DIVERSIFIED CHEMICAL

December 30, 1922.

Field Machinery	609.00
Animal Husbandry	8,886.00
Night Watchman	347.84
Main Teaching Building	608.16
Greenhouse	8,628.38
Household Economics	347.38
Dining Room	8,880.80
Agricultural Engineering	80.47
Gas Plant	640.80
Power Plant	1,668.88
Soils	634.96
Extension	
General	8,862.72
Trading	12,846.80
Boulevard	12,890.88
Printing Department	7,880.04
Works Department	10,446.08
Electrician	1,880.42
	$ 68,884.72

ACCOUNTS RECEIVABLE

DEBITS

	DECEMBER 30, 1922
Allen, Dr. J.A.	1.28
Alger, W. Ross	55.00
Alta. Medical Assoc.	47.30
Alumni Assoc.	484.85
Advisory Committee	282.61
Avonmore Presbyterian Church	6.00
Alta. Straw & Stone Products	15.00
Austin, C.J.	6.50
Agricultural Club	.50
Aitkens, Rev. J.W.	.50
Associated Universities	16.10
Boyle, R.W.	75.00
Bosomworth, Rev. H.	22.05
Barnecut, F.J.	1.00
Brown, H.	32.26
Blais, I.N.	2.50
Barclay, R.G.	25.00
Brand, Dr.	20.00
Budinski, N.	149.69
Briscoe, W.H.	12.80
Bowman, W.	1.00
Balkan Coal Co.	10.00
Burns, W.F. Rev.	.50
Billes, W.	12.00
Burns, H.	1.15

ACCOUNTS RECEIVABLE

MEMOS

DECEMBER 30, 1952

Allen, Dr. T.A.	1.25
Alger, W. Rees	55.00
Alto, Medical Assoc.	47.50
Alumni Assoc.	604.35
Advisory Committee	225.01
Avonmore Presbyterian Church	6.00
Alto, Stove & Stone Products	15.00
Austin, C.J.	6.50
Agricultural Club	.50
Allison, Rev. J.W.	.50
Associated Universities	15.10
Boyle, R.W.	75.00
Bookmaster, Rev. K.	22.05
Barnard, V.J.	3.00
Brown, H.	52.15
Mizzle, I.M.	2.00
Bartlett, M.G.	25.00
Brand, Dr.	20.00
Bradley, M.	145.05
Briscoe, W.E.	12.50
Bowman, W.	1.00
Bolton Coal Co.	10.00
Burns, W.P. Rev.	.50
Bills, W.	15.00
Bauer, H.	1.15

Brauner, J.	1.00
Beale, M.A.	.50
Brown, 240 Atha.	1.00
Bunt, Rev. W.P.	.50
Bate, Rev. J.	5.05
Baker, R.M.	1.00
City of Edmonton	24.00
Cutler, G.H.	15.69
Couper, R.R.	1.86
Collip, Dr. J.B.	13.40
C.O.T.C.	6.56
Calder Community League	17.05
Class 24	1.00
Corbitt, E.A.	6.60
Class 25	2.25
Campbell, Geo. H.	.75
Crane Ltd.	4.00
Culbertson, Norman	3.52
Curothers, S.F.	5.00
Collier, Jno. J.	7.50
Crumb, Rev. W.T.	13.15
Curry, Rev. C.E.	.50
Carleton, Rev. W.H.	10.00
Clary, Mrs.	2.05
Carlyle, T.	2.00
Dennison,& Collins	68.79
Down, H.H.	10.00
Denver Fire Clay Co.	3.00

Brammer, J.	1.00
Beale, M.A.	.50
Brown, Edd Ashe.	1.00
Hunt, Rev. W.B.	.50
Hale, Rev. J.	5.00
Baker, R.M.	1.00
Gift of Diamonds	24.00
Gaither, G.E.	15.15
Cooper, R.R.	1.00
Collip, Dr. J.B.	12.40
G.C.T.C.	6.86
Calder Community League	17.05
Class 24	1.00
Corbitt, M.A.	6.00
Class 23	3.25
Campbell, Geo. K.	.75
Grace Ltd.	6.00
Gilbertson, Norman	3.22
Carothers, S.F.	5.00
Collier, Jno. A.	7.50
Cheek, Rev. W.T.	12.10
Curry, Rev. O.B.	.50
Carleton, Rev. W.M.	10.00
Clark, Mrs.	2.05
Curlyle, T.	2.00
Dunlavon, & Collins	29.75
Down, E.H.	10.00
Denver Nite Club Co.	2.00

Downs, G.F.	15.00
Day, Rev. H.H.	16.50
Dom. Govt. N.R.C.	227.72
Dom. Govt. Ottawa	380.29
Drummond, L.E.	25.00
Dom. Govt. A.R.C.	104.75
Davidson, Robt.	1.25
Dept. of Agriculture Dom.Govt.	25.00
Desrochers, J.L.	55.00
Dodd, Miss	6.00
Dobbs, Miss	.50
Edmonton Portland Cement	935.96
Ed.Fed. of Community Leagues	44.30
Elsdon, Revl J.T.	99.85
Eddy, Dr. N.B.	13.44
Ed.Trades & Labor Council	7.50
Evans, W.A.	6.93
Edwards, Capt.	2.00
Ferris, R.B.	50.00
Faculty Club	7.35
French Play	72.67
Forster, R.B.	20.00
Fryer, Prof.	9.30
Fife, Max	1.50
Gainers Ltd.	.75
Goddard, J.G.	2.00
Gateway	1875.35
Gates, L.H.	15.00
Garrioch, H.G.	75.00

Downs, G.K.	18.00
Day, Rev. H.M.	16.80
Dom. Govt. M.R.C.	827.72
Dom. Govt. Ottawa	280.39
Drummond, I.H.	28.00
Dom. Govt. A.H.C.	104.72
Dryfdsen, Robt.	1.25
Dept. of Agriculture Dom.Govt.	28.00
Dearcsbore, I.L.	28.00
Dodd, Miss	6.00
Dobbs, Miss	.50
Edmonton Portland Cement	282.96
Ed.Fed. of Community Leagues	44.50
Elwdon, Rev. J.T.	99.05
Eddy, Pr. H.H.	13.44
Ed.Trades & Labor Council	7.50
Evans, W.A.	6.93
Edwards, Capt.	3.00
Ferris, H.H.	50.00
Scouts Club	7.25
Trench Mag	73.67
Forster, H.B.	20.00
Fryer, Prof.	3.50
Fife, Max	1.50
Gainers Ltd.	.75
Goddard, I.G.	5.00
Gateway	1273.85
Gates, I.H.	12.00
Garrison, H.G.	75.00

Grisdal, Mrs.	9.55
Gaetz, H.R.	9.80
Gillett, Rev. J.	24.48
Grant, E.R.	1.75
Gosnell, Van C.	5.00
Gillies, Jno.	5.00
Gibson, Rev. J.G.	.50
Gould, L.	1.50
Gage, W.J.	40.58
Hutchison, Lyman	75.00
Howes, Dean, E.A.	4.82
Hurst, D.D.	1.00
Hartley, J.	830.99
Hogg, W.J.	1.25
Harcourt, Geo.	59.54
Hall, C.M.	10.00
Hudson's Bay Co.	70.00
Henderson, B.H.	272.90
Newton, Miss A.	21.35
Sidney Houlton & Co.	10.00
Horte, C.	38.00
Harrington, C.R.	1.00
Humphrey, S.B.	4.95
Hardy, Geo.	3.50
Industrial Lab.	245.50
Irvine, J.A.	20.00
Inland Revenue Dept.	20.00
Ings, Dr.	10.00
Islay Presbyterian Church	145.00

Driscoll, Mrs.	9.32
Deeth, M.E.	9.80
Gillett, Rev. J.	84.45
Grant, E.R.	3.78
Goodsell, Van G.	8.00
Gillies, Jno.	8.00
Gibson, Rev. J.G.	.50
Gould, L.	1.50
Gage, W.T.	40.56
Hutchison, Lyman	70.00
Howes, Dean, M.A.	4.82
Hurst, D.D.	1.00
Hartley, J.	850.99
Hoge, W.J.	3.45
Harcourt, Geo.	39.34
Hall, G.M.	10.00
Hudson's Bay Co.	70.00
Henderson, H.M.	825.90
Hunton, Miss A.	31.25
Sidney Hamilton & Co.	10.00
Hoyle, O.	36.00
Hartington, G.R.	1.00
Humphrey, R.H.	4.75
Hardy, Geo.	3.80
Industrial Lab.	848.00
Irvine, J.A.	80.00
Inland Revenue Dept.	80.00
Inge, Dr.	10.00
Inlay Proselytizing Group	165.00

James, W.H.	85.10
Jackson, Roy	55.40
Jamieson, Dr.	93.87
Jamieson, F.G.	40.55
Junior Dance	18.15
Jones, O.	.40
Jarlett, Lieut. W.	1.50
Jones, J.T.	2.25
Kerr, W.A.R.	15.70
Killam, Dr.	1.25
Kelso, J.A.	34.59
King Edward Park Com. League	4.30
Kenway, Cyril	2.25
Lehman, Dr.	15.69
Landsdown, R.	10.00
Langlands, J.A.	1.82
Lewis, Dr. F.J.	1.02
Leskiw, S.	2.00
Law Society	15.00
Lowry, Mrs. Florence	1.00
Putman, H. Loring	10.00
Lister, Reg	1.00
Misener, Miss G.	5.91
Meyerman, H.	16.55
Martin, H.	5.00
Military Hospital	15.50
Medical Club	1.25
Mountain Park Coal Co.	15.00
Mitchell, A.	9.80

Murray, J.J., Ltd.	100.47
Marlborough Cement Co.	5.00
Martin, H.F.	2.50
Matheson, A. M.	1.00
Mitchell, A.	10.00
May, W.L.	13.30
Militia Dept.	16.75
Mury, S.	1.75
Millar, Harry	3.75
McCookin, Rev.	5.00
McCarter, C.S.	10.00
MacCosham Storage & Dist.Co.	19.75
McEachren, Dr.	2.15
McGibbon, Dr.	25.48
McKenzie, D.S.	.50
MacDonald, J.	1.88
McNeill, D.	1.50
McLennan, S.	11.50
McLean, A.C.	9.00
Macdonald, J.S.	5.00
McBeath, J.P.	5.05
McQueen Memorial Pres. Church	145.00
MacDonald, Mr.	.70
McLaren, W.S.	4.85
Mally, Rev. Jas.	5.60
Mittlen, W.H.	6.90
Newton, J.	5.40
Nixon, Rev. Hugh	22.20
142nd Community League	3.60

Peters, Frank	11.55
Perry, D.L.	26.75
Patricia Pharmical Co.	165.77
Pike, Rev. W. H.	.50
Prov.Government Mines Branch	110.00
Pinckston, R.W.	10.50
Philosophical Society	49.90
Patrick, Miss M.	2.19
Polar Aerated Water Works	5.00
Prov.Govt. Dept. of Agric.	309.55
" " " "Public Health	276.12
Perry, Frank	40.00
Pulos, Jim	2.50
Parkes, Rev. R.H.	1.00
Ptarmigan Lumber Co.	10.00
Queens University Graduates	50.00
Rankin, Dr.	2.76
Ramsey, Jas. Ltd.	113.60
Robb, C.A.	14.61
Robertson Church	15.10
Rowan, Wm.	29.32
Russell, Miss	1.70
Rapper, John	2.50
Riggs, Mr.	8.75
Riverdale Com. League	7.20
Richardson, C.L.	2.00
Rood, Rev. T.W.	68.00
Ross, W.	51.84
Reid, Miss	1.00

Roxburgh, Rev. F.D.	1.00
Reith, Miss	1.00
Simmonds, Rev. A. Court	9.65
Sheldon, Dr.	52.15
Steer, G.H.	2.00
Students Union Women's Initiation	11.05
Athletic Society	61.40
Rugby Club	5.15
Dramatic Society	42.40
Debating Club-	3.40
Rooters Club	32.50
Rink Account	543.44
Womens Basketball Club	11.25
Literary Association	14.75
Soccer Club	2.20
Sonet, Mr.	36.09
Smith, Stanley	.62
Sullivan, Major	10.00
Scott, Mr.	12.35
Shaver, R.F.	1.95
Salter, Miss V.-	7.00
Science Association U.of A.	2.04
Sivell & Co.	5.00
Shearer, Jas. R.	48.00
Stark, Rev. J.H.	.50
Scona Hospital	97.10
Strong, Dr.C.F.	7.50
Smith, Rev. W.F.	3.00
Sisson, Mr.	5.00

Squance, W.R.	1.00
Simpson, Rev. D.	5.00
Scott, Foresman & Co.	128.07
Silver Spray Brewing Co.	35.00
Separate High School	72.00
Thompson, B.C.	16.80
Tuxis Square	42.80
Thompson, John	11.20
Turner, Rev. John	4.30
Tibbetts, M.	7.00
U. of A. Book Store	1700.58
Underwood, Miss Edith	1.00
Unsworth, Rev. J.K.	10.40
Vailancourt, A.	10.00
Varsity Hockey Club	7.10
Vallett, Mr.	3.72
Woodford, John	1.00
Woods, P.J. Hardware	14.00
Warner, M.C.	7.01
White Star Coal Co	10.00
Westminster College	1025.81
Wilson, Prof. R.S.L.	2.70
Williamson, Dr.	10.00
Womens University Club	18.85
Wright, Rev. J.L.	60.00
War Memorial Fund	17.15
Williams Mr.	2.50
Waterman, Rev. A.J.	.50
Walker Mine	10.00

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Westmount Com. League	9.35
Williams, Rev. A.	64.00
W.C.T.Y.	30.00
Women Students	1.00
Walker, F.	1.00
Whiteman, Mr.	1.45
Young, W.T.	.80
Y.M.C.A., City	2.00
Young, J.A.	1.00
Y.M.C.A., Saskatoon	20.40
" Lethbridge	1.20
Yorath, Commissioner	1.00
Total	$ 14,255.04

B O O K S T O R E

Accounts Receivable -- December 30th, 1922

Atkinson Publishing Co. (Dr.Scott's Law Book)	905.65
Bradbury, C.V. (S.C.R.)	22.70
Claresholm School of Agriculture	19.00
Mon. E. Sonet	8.80
Temple-Pattison Co. Ltd.	439.85
Vermilion School of Agriculture	273.05
Y. M. C. A. (Intercollegiate)	31.57
	$ 1,700.58

BOOKKEEPER

Accounts Receivable -- December 30th, 1922

Atkinson Publishing Co. (Dr.Scott's New Book)	$ 625.50
Brandbury, C.V. (S.S.K.)	35.70
Glenarbolm Method of Agriculture	12.00
Mor. K. Banes	6.00
Temple-Bettison Co. Ltd.	425.00
Vocational School of Agriculture	275.25
Y. M. C. A. (Lectureship)	51.25
	$ 1,750.50

ACCOUNTS RECEIVABLE

DEBITS

	DECEMBER 30, 1922.
Alexander, N.E.	48.20
Blair, S.M.	35.00
Baker, W.E.	83.30
Beck, C.F.	35.00
Budd, W.S.	30.00
Bryan, W.C.	80.00
Becker, Ruth	38.00
Baker, Roy	76.00
Bures, A.J.	38.00
Begg, H.N.C.	102.00
Balaam, Ruth	8.50
Carmichael, Bernice	8.00
Cairns, J.	38.00
Crawford, G.M.	38.00
Clarry, F.	15.93
Davis, E.N.	27.00
Dunkley, F.B.	120.00
Dane, K.L.	38.00
Dawson, G.S.	8.00
Dixon, Emma	38.00
Eggen, R.	97.50
English, J.F.H.	26.00
Golstein, G.R.	40.00
Gee, M.S.	38.00
Grimson, J.C.	76.00
Hauson, D.A.	49.10

ACCOUNTS RECEIVABLE

DEBITS

DECEMBER 30, 1922.

Alexander, M.M.	48.80
Blair, S.M.	36.00
Baker, W.E.	68.80
Beck, G.F.	36.00
Budd, W.S.	30.00
Bryan, W.C.	80.00
Booker, Ruth	36.00
Baker, Roy	76.00
Burns, A.J.	36.00
Boss, H.M.C.	102.00
Balsam, Ruth	8.50
Carmichael, Bernice	8.00
Cairns, J.	36.00
Crawford, G.M.	36.00
Clarry, P.	16.93
Davis, R.M.	27.00
Munkley, P.B.	120.00
Dane, K.L.	36.00
Dawson, G.S.	8.00
Dixon, Emma	36.00
Begon, R.	97.50
Anglish, I.P.H.	36.00
Golastein, G.R.	40.00
Gee, M.S.	36.00
Grimson, I.C.	76.00

Accounts Receivable 2.

Hotson, Miss I.	1.67
Inkster, Miss H.	1.67
Kirk, N.S.	120.00
Kay, S.	38.00
Kelly, C.C.	38.00
Leismer, Arnold	8.00
Lebourveau, H.	14.00
Mount, G.	84.60
Mealing, C.H.	7.00
Mathews, A.W.	75.00
Moore, R.C.	44.00
Morden, V.I.	9.20
Marming, A.H.	14.00
Miller, J.	160.00
Mitchell Bessie	128.65
Martin, W.M.	8.00
Moorehouse, Josephine	18.00
Morrison, J.G.	38.00
Murphy, F.J.	38.00
McClung, J.	10.00
McLeod, Munroe	40.00
MacDonald, W.D.	20.60
McKay, W.	40.00
McLean, Dorothy	8.00
MacEachren, Mae	13.00
McDonald, B.J.S.	8.00
McDonald, Ian,B.	8.00

ounts Receivable B.

Hotson, Miss I.	1.67
Inkster, Miss H.	1.67
Kirk, M.B.	120.00
Kay, S.	36.00
Kelly, C.C.	36.00
Leisner, Arnold	8.00
Leonhrsen, H.	14.00
Mount, G.	84.50
Mallin, C.H.	7.00
Mathews, A.W.	75.00
Moore, H.C.	44.00
Morden, V.I.	9.50
Manning, A.H.	14.00
Miller, J.	160.00
Mitchell Bessie	128.65
Martin, W.M.	8.00
Moorehouse, Josephine	18.00
Morrison, J.G.	36.00
Murphy, P.J.	36.00
McClung, J.	10.00
McLeod, Munro	40.00
MacDonald, W.D.	80.60
McKay, W.	46.00
McLean, Dorothy	8.00
MacKeachren, Mae	13.00
McDonald, J.J.S.	8.00
McDonald, Ian.B.	8.00

Accounts Receivable 3.

McRae, D.	38.00
McPhee, M.S.	38.00
McCullough, R.V.	8.00
Nicoll, Jim	73.45
Northcott, Muriel	5.40
Norrington, Miss	9.00
Nicholson, Mary	99.15
O'Brien, J.W.	38.00
Owen, Philip	8.00
Park, W.R.	76.00
Pierson, Edna	38.00
Rogers, Miss F.	56.00
Robinson, J.W.	46.00
Robison, S.C.	27.50
Swanson, Wm. Alice	36.20
Sinclair, A.S.	39.85
Sillak, J.G.	245.00
Stauffer, M.L.	80.00
Smith, A.W.	40.00
Simpkin, Mary	38.00
Simpson, Alex.M.	38.00
Simmons, Ren.	1.00
Scully, D.G.	5.75
Symes, W.E.	38.00
Turnbull, W.B.	26.45
Thurston, W.	30.00
Timmins, Miss B.	38.00

Accounts Receivable 3.

McMas, D.	38.00
McPhee, M.S.	36.00
McQuilough, R.V.	8.00
Nicoll, Jim	73.48
Northcott, Muriel	5.40
Northington, Miss	9.00
Nicholson, Mary	99.15
O'Brien, J.W.	38.00
Owen, Philip	8.00
Park, W.R.	76.00
Pierson, Edna	38.00
Rogers, Miss P.	56.00
Robinson, J.W.	46.00
Robison, S.C.	27.50
Swanson, Wm. Alice	36.20
Sinclair, A.S.	39.85
Sillak, J.G.	246.00
Stanifer, M.L.	80.00
Smith, A.W.	40.00
Simpkin, Mary	38.00
Simpson, Alex.M.	38.00
Simmons, Ben.	1.00
Scully, D.G.	5.75
Symes, W.S.	38.00
Turnbull, W.R.	26.46
Thurston, W.	30.00
Timmins, Miss H.	38.00

Accounts Receivable 4.

Thompson, Irene L.	38.00
Tomlinson, H.O.	8.00
Whiteman, D.	40.00
Woods, Kathleen	8.50
Wrinch, L.B.	8.00
Weir, Miss	19.90
Wally, W.J.	12.50
Weir, C.V.F.	16.50
Total	3595.07

Accounts Receivable 4.

Thompson, Irene L.	38.00
Tomlinson, H.O.	8.00
Wightman, D.	40.00
Woods, Kathleen	8.50
Wrinch, L.B.	8.00
Weir, Miss	19.90
Wally, W.J.	12.80
Weir, G.V.F.	16.80
Total	3895.07

ACCOUNTS RECEIVABLE

CREDITS

	DECEMBER 30, 1922.
Burgess, C.E.	3.77
Broadus, Dr. E.K.	12.30
Barker, Miss	1.00
Backman, W.	4.25
Bemish, Mrs. E.	1.13
Carr, Dr. J.F.	.46
C.P.R.	10.09
General Levy	399.00
Class 1922	144.50
Cousens, Rev. E. Bruce	1.00
Durness Local,U.F.A.	.75
Dept. of Soldiers Re-estab't.	1.00
Dorin, Capt. F.A.	.75
Gould, Thomas	1.50
House Committee	3.25
Hanasyth, D.M.	4.25
Johnson, Rev. Percy	1.00
Kramner, Frank	51.30
Lister, H.	5.30
Moshier, Dr.	6.86
Montgomery, J. F.	3.00
Mayne	1.00
Marsh, Rev. W.C.	17.50
McGowan, A.F.	1.18
McLagan, Rev. J.A.C.	64.75
McPhee, Mr.	10.70
McGregor, T.F.	2.00

ACCOUNTS RECEIVABLE

CLOSED ITEMS

DECEMBER 30, 1922.

Burgess, C.E.	3.47
Brandus, Dr. I.K.	12.30
Barker, Miss	1.00
Beckman, W.	4.25
Benish, Mrs. R.	1.15
Carr, Dr. J.P.	.46
C.P.L.	10.09
General Levy	389.00
Plaza 1922	144.50
Comacho, Rev. H. Bruno	1.00
Burrows Wood,U.P.A.	.75
Dept. of Agriculture Re-entab't.	1.00
Davis, Capt. P.A.	.75
Gould, Thomas	1.50
House Committee	3.25
Hanaghan, D.M.	4.25
Johnson, Rev. Leroy	1.00
Kramer, Frank	81.30
Kistler, H.	6.50
Monhler, Dr.	6.25
Montgomery, J. P.	3.00
Meyers	1.00
Marsh, Rev. W.C.	17.50
McGovern, A.P.	1.15
McLagan, Rev. J.A.C.	64.75
McKhee, Dr.	10.70
Nedrenger, J.P.	8.00

Accounts Receivable, Credit -2-

McPherson, W.W.	.50
Naylor, I.J.	2.00
Ouelette, Rev.	1.00
Prov.Government Dept. of Education	590.15
Potato Account	178.38
Physiology Dept.	44.27
Revillon Wholesale Ltd.	70.00
Rogers, Rev. C.E.	4.30
Sundry Account	4.02
Schurman, Ira	2.40
Students Union General	8.61
Sophomore Class	1.00
Speer, H.W.	3.00
Sansum, Rev. V.	.50
Saul, Grant M.	61.35
Strickland, Mr.	12.00
Tennis Club	2.40
Undergrad Dance	48.40
Wauneita Society	2.17
West, A.	.65
West Edmonton Com. League	2.90
Walker, Mrs. F.	1.00
Total	$1,794.60

ACCOUNTS RECEIVABLE.

CREDIT

Pre-Payments.

DECEMBER 30. 1922.

Buckley, Beatrice	9.30
Bishopric, O.	3.50
Bryden, E.	2.80
Black, Lois	178.00
Bramer, J.H.	27.80
Brunton, James F.	38.00
Birand, F.P.	14.00
Barker, Lucile	76.00
Clark, H.C.	12.00
Clements, M.A.	29.50
Cairns, James	38.00
Dier, H.H.	9.00
Drake, W.V.	2.00
Dobbs, G.W.	12.00
Deadman, Miss	33.35
Day, E.W.	152.00
Devlin, T.P.	38.00
English, J.F.K.	38.00
Gaetz, H.B.	14.00
Gladstone, Grace	38.00
Gray, H.E.	152.00
Hollinshead, J.L.	5.00
Hallman, Vernon	12.00
Inglis, Mary	152.00
Jarrett, W.A.	143.50

ACCOUNTS RECEIVABLE.

CREDIT

Pre-Payments.

DECEMBER 30, 1922.

Bradley, Beatrice	9.50
Blanchard, O.	5.50
Bryden, R.	2.80
Black, Lois	176.00
Bramer, J.H.	27.80
Brunton, James P.	38.00
Strand, P.P.	14.00
Barker, Emelie	76.00
Clark, H.C.	12.00
Clements, M.A.	29.50
Cairns, James	38.00
Dier, H.H.	9.00
Drake, W.V.	2.00
Dobbs, G.W.	12.00
Deadman, Miss	23.35
Day, H.W.	185.00
Devlin, T.P.	28.00
Durfish, J.W.K.	38.00
Gaetz, H.S.	14.00
Gladstone, Grace	38.00
Gray, H.E.	182.00
Hollinshead, J.L.	8.00
Hallman, Vernon	12.00
Ingils, Mary	185.00
Jarrett, W.A.	143.50

Accounts Receivable 2.

Kemp, A.T.	.40
Laud, C.B.	12.00
Leismer, E.J.	9.00
Murdoch, Chas.	12.00
Martin, Mary	29.50
Morrison, J.A.	38.00
Moore, Miss	12.00
McDonald, D.W.	12.00
McLennan, Jean	7.75
MacLeod, H.S.	12.00
McCullum, M.	12.00
McLellen, Mr.	10.00
McDonnell, C.Miss	38.00
McCullum, Jessie	12.00
Phillips, E.W.	16.20
Pike, H.H.	20.80
Perkins, M.G.	12.00
Robb, C.A.	55.25
Richardson, J.Wesley	10.00
Reeves, A.A.	152.00
Scarth, M.	6.90
Smith, Louise	45.40
Stubbs, Florence	33.75
Tracey, Miss G.M.	12.00
Thomson, L.B.	38.00
Uchida, M.	38.00
Walker, A.J.	38.00

Accounts Receivable 3.

Kemp, A.T.	.40
Land, O.B.	12.00
Telsmer, R.J.	9.00
Murdoch, Chas.	12.00
Martin, Mary	29.50
Morrison, J.A.	38.00
Moore, Miss	12.00
McDonald, D.W.	12.00
McLennan, Jean	7.75
Macleod, H.S.	12.00
MacMillan, M.	12.00
McLellan, Mr.	10.00
McDonnell, O.Miss	38.00
McCallum, Jessie	12.00
Phillips, R.W.	16.20
Pike, H.H.	20.80
Perkins, M.G.	12.00
Robb, C.A.	88.25
Richardson, J.Wesley	10.00
Reeves, A.A.	128.00
Smart, M.	6.90
Smith, Louise	45.40
Stubbs, Florence	33.75
Tracey, Miss D.M.	12.00
Thomson, L.B.	38.00
Uchida, M.	38.00
Walker, A.J.	38.00

Accounts Receivable 3.

Weston, D.F.	40.00
Wilson, D.H.	12.00
Waldo, C.S.	12.00
Young, Helen B.	49.00
Yuill, J.H.	40.00
Zadra, Modesto	12.00
Total	2089.70

Total	2097.70

SCHEDULE OF INSURANCE

December 30, 1922.

Property	Amount	Rate	Premium
he brick,stone and concrete building known thabasca Hall,Dining Hall,Boiler House and hen,Nos.301,302,304,305, Goad's Plan.....	$ 276,000.00	1.36	3,753.60
ontents, while contained therein.....	55,000.00	1.60	560.00
he brick,stone and concrete building known ssiniboia Hall, No. 300 on Goad's Plan....	145,000.00	1.09	1,558.70
ontents, while contained therein.....	15,000.00	1.28	192.00
he brick,stone and concrete building known embina Hall, Nos. 307 and 308, Goad's Plan	100,000.00	.64	640.00
ontents, while contained therein.....	10,000.00	1.18	118.00
he brick,stone and concrete buildi ng,known rts Building,Nos.309,310,311,Goad's Plan..	100,000.00	1.15	1,150.00
ontents while contained therein.....	40,000.00	1.16	464.00
he brick,stone and concrete building,known edical Hall,situate to the South of Power e,No. 312 on Goad's Plan.....	100,000.00	1.20	1,200.00
ontents, while contained therein.....	25,000.00	1.24	310.00
he brick,stone and concrete building,known ower House No.2 and Laboratory Nos.312, 's Plan, including Power and Heating Equip-, but excluding Electrical Machinery	84,400.00	2.64	2,228.16
lectrical Machinery while contained therein	28,000.00	2.38	666.40
ontents, while contained therein.....	15,000.00	2.94	441.00
he brick,stone and concrete building,known he South Laboratory and garage,situate in of No. 310 on Goad's Plan.....	43,000.00	2.86	1,229.80
ontents, excluding Motor Cars in use,while ained therein.....	12,000.00	3.46	415.20
he brick,stone,and concrete building,known he North Laboratory,situate in rear of No. on Goad's Plan.....	43,000.00	2.62	1,126.60
ontents, while contained therein.....	15,000.00	3.22	483.00
he brick building know as Gas House and nhouse, No. 306 on Goad 's Plan.....	3,200.00	1.94	62.08
achinery and Equipment,including furnaces, rts, smokestacks,engines and all other pment,but excluding contents of greenhouse e contained therein or thereon.....	3,000.00	2.44	73.20
he frame building known as the Carpenter, ksmith and Paint Shop,situate in rear of basca Hall, No.303 on Goad's Plan.....	1,000.00	7.58	75.80
achinary and Equipment usual to a Carpenter, ksmith and Paint Shop, while contained ein.....	2,000.00	7.88	157.60
took of materials and supplies usual to a enter, Blacksmith and Paint Shop, while ained therein.....	4,000.00	7.88	315.20
uilding of Greenhouse,situate to the South of Gas House No.306 on Goad's Plan.....	500.00	1.94	9.70
age Rate: 1.569	$1,098,100.00		$17,230.04

SCHEDULE OF CONTRACTS

December 31, 1924.

Amount	Date Awarded	Remarks
$ 274,000.00	1.18	$ 7,762.60
55,000.00	1.20	860.00
145,000.00	1.20	1,658.75
18,000.00	1.22	192.00
109,500.00	.84	660.00
10,000.00	1.18	110.00
100,000.00	1.18	1,120.00
40,000.00	1.16	444.00
300,000.00	1.20	3,500.00
15,000.00	1.24	170.00
84,400.00	8.84	2,293.16
20,000.00	8.30	166.40
11,000.00	8.24	90.64
45,000.00	8.88	1,220.00
27,000.00	8.44	474.80
41,000.00	8.32	1,326.60
18,000.00	8.28	149.00
5,500.00	1.36	62.04
6,000.00	8.44	72.80
1,000.00	7.08	70.00
5,000.00	7.60	187.00
4,000.00	7.88	308.80
500.00	1.24	8.72
$ 81,000,100.00		$ 27,880.04

SCHEDULE OF INSURANCE

Farm — December 30, 1922

Property	Amount	Rate	Premium
the frame building known as Superintendent's dwelling.....	$ 2,500.00	1.50	$ 37.50
the frame building including Silos attached thereto, known as Animal Husbandry Barn..	20,000.00	1.50	300.00
the frame building known as the Field Husbandry Barn.....	7,000.00	1.50	105.00
the frame building known as the Dairy Building.....	1,000.00	1.50	15.00
the frame building known as the New Horse Barn.....	12,000.00	1.50	180.00
the frame building known as the New Sheep Barn.....	5,000.00	1.50	75.00
the frame building known as the New Swine Barn.....	7,000.00	1.50	105.00
Grade Livestock (excluding any animals ecifically insured) not more than $200. on one horse, $200. on any one horned cattle, $100. on any other animal recoverable in e t of loss, but in no case to exceed 75% of actual cash value.....	5,000.00	1.25	62.50
Registered Livestock (excluding any als specifically insured) not more than 00 on any one horse, $1,000 on any one ed cattle, or $200. on any other animal verable in event of loss, but in no case xceed 75% of its actual cash value.....	15,000.00	1.25	187.50
eed of all kinds, while contained in inal Husbandry Barn.....	1,000.00	1.25	12.50
arm and Stable tools, utensils and equipnt, while contained in above described inal Husbandry Barn. Not more than 75% the actual cash value will be recoverable any one article in the event of loss....	1,000.00	1.25	12.50
gricultural Implements and Equipment of all nds, while contained in above described eld Husbandry Barn. Not more than 75% of e actual cash value will be recoverable on y one article in the event of loss.....	5,000.00	1.25	37.50
	$79,500.00		$1,130.00

age Rate: 1.4215

SCHEDULE OF INSURANCE

FACULTY

December 30, 1922.

Property	Amount	Rate	Premium
he part brick part frame building own as President's Dwelling No. 1.....	$10,000.00	1.00	$100.00
he frame building own as the President's Garage	900.00	1.20	10.80
he part brick part frame building own as Dwelling No. 2	6,000.00	1.00	60.00
he brick building own as Dwelling No. 3	6,000.00	.80	48.00
he part brick part frame building, own as Dwelling No. 4	6,000.00	1.00	60.00
he part brick part frame building, own as Dwelling No. 5	5,000.00	1.10	55.00
he part brick part frame building, own as Dwelling No. 6	5,000.00	1.20	60.00
he part brick part frame building, own as Dwelling No. 7	5,000.00	1.10	55.00
he part brick part frame building, own as Dwelling No. 8	6,000.00	1.10	66.00
he part brick part frame building, own as Dwelling No. 9	5,000.00	1.10	55.00
he part brick part frame building, own as Dwelling No. 10	5,000.00	1.00	50.00
	$59,900.00		$619.80

rage Rate : 1.0347

ACADEMY

December 30, 1923.

Property	Amount	Rate	Premium
Brick part frame building			
President's Dwelling No. 1	$10,000.00	1.00	$100.00
the Dormitory	900.00	1.50	13.50
Brick part frame			
Dwelling No. 3	6,000.00	1.00	60.00
Dwelling No. 3	6,000.00	.80	48.00
Brick part frame building.			
Dwelling No. 4	6,000.00	1.00	60.00
Brick part frame building.			
Dwelling No. 5	6,000.00	1.10	66.00
Brick part frame building.			
Dwelling No. 6	5,000.00	1.60	80.00
Brick part frame building.			
Dwelling No. 7	5,000.00	1.30	65.00
Brick part frame building.			
Dwelling No. 8	6,000.00	1.10	66.00
Brick part frame building.			
Dwelling No. 9	8,000.00	1.10	88.00
Brick part frame building.			
Dwelling No. 10	8,000.00	1.00	80.00
	$89,900.00		$925.50

ate : 1.00%P

FIDELITY INSURANCE

December 30, 1922

Bursar	A. West	$ 2,500.00	
Registrar	C.E. Rice	2,000.00	
Accountant	G.P.Fenton	1,500.00	
Cashier	E. Dingle	2,000.00	
C. W. Hosford		2,000.00	$ 10,000.00

AUTOMOBILE INSURANCE

9359	British Crown Ins.Co.	500.00	
9356	" " " "	500.00	
9357	" " " "	1,000.00	
9358	" " " "	500.00	
9360	" " " "	1,000.00	$ 3,500.00

S U M M A R Y

Insurance on General Schedule	$1,098,100.00
" " Farm "	79,500.00
" " Faculty Houses	59,900.00
Fidelity Insurance	10,000.00
Automobile Insurance	3,500.00

Amount of unexpired term

$ 7,177.15 + $ 15.38 $ 7,192.53

University of Alberta

December 30th, 1922.

TRUST ACCOUNT

1921

Dec. 31st.	Balance on hand		
	Students Union	984.11	
	Caution money & keys	7741.66	
	Students Deposits	6786.01	
	Medical Service	2907.15	
	War Memorial Fund	1724.49	20143.42
Receipts during 1922			
	Students Union	8223.49	
	Caution money & keys	4733.94	
	Students Deposits	86857.98	
	Medical Service	2456.75	
	War Memorial Fund	3614.22	
	Interest Account	494.35	106380.73
			126524.15
Disbursements			
	Students Union	7225.55	
	Caution money & keys	6821.56	
	Students withdrawals	90351.84	
	Medical Service	2823.87	
	War Memorial Fund	5369.25	112592.07
			13932.08
Balance on hand December 31/1922			
	Students Union	1982.05	
	Caution money & keys	5654.04	
	Student & Trust deposits	2687.77	
	Medical Service	2540.03	
	Interest on deposits	1066.94	13932.08

TRUST ACCOUNT

DECEMBER 30th, 1922.

	Dr.	Cr.
Auld, R.W.		11.50
Agnew, T.J.-		5.00
Associate Air Research		46.17
Aelen, Earnest		2.00
Agricultural Club		28.20
Archibald, Miss		5.00
Black, D.W.		50.00
Berry, Wm.	125.00	
Barker, Lucille		40.15
Basketball Club		12.75
Class 21		104.90
Class 22		136.13
Caution Money 1920-21		601.24
" " 1921-22		401.49
" " 1922-23		3857.66
Cain, Ardis	10.00	
Carter, W.		.40
Crawford, G.M.		50.00
C.O.T.C.		111.00
Cairns, A.		84.00
Currie, D.		60.00
Cronk, H.K.		3.00
Collip, J.B. Research	671.71	
Class 25		187.04
Cook, W.H.		240.65
Calhoun, W.P.		2.00
Davies, C.E.		70.00
DeMille, W.E.		2.25
Faculty Club		77.42
French Club		22.24
Gateway		17.30
Gaetz, H.H.		161.38
Gould, W.W.		2.00
Hunt, Margaret		20.00
Horrocks, Mabel		5.00
House Committee		66.95
Hurlburt, C.W.		.23
Interest Account		1066.94
Jenkins, Hilda		25.00
Keys Residence		396.00
Kutz, W.M.		40.00
Locker, Keys		427.65
Leismer, E.J.		14.40
Levy, M.P.		75.00
Literary Society		90.45
Line, W.		10.00
Medical Service		122.03
" " 1922-23		2418.00
Medical Club		32.00
Martin, Mary		12.00
Mawdsley, R.W.		20.00

TRUST ACCOUNT

DISBURSEMENTS 20th, 1922.

	DR.	CR.
Arnold, R.W.		11.50
Agnew, T.J.		5.00
Associate Alr Reserves		46.17
Allen, Harvey		5.00
Agricultural Club		78.80
Archibald, Miss		5.00
Black, D.H.		50.00
Barry, Wm.	128.00	
Butler, Lucille		40.12
Baseball Club		12.72
Class 21		104.50
Class 22		136.18
Donation Money 1920-21		601.24
" " 1921-22		401.42
" " 1922-23		8887.66
Bain, Azalia	10.00	
Carter, V.		.40
Dewford, G.M.		50.00
D.C.T.C.		111.00
Deitrz, A.		24.00
Dertle, B.		40.00
Evans, H.M.		5.00
Folliy, J.H. Reserves	694.71	
Class 23		187.04
Cook, W.M.		240.48
Collison, W.P.		5.00
Davies, G.M.		50.00
Denille, W.H.		5.25
Dramatic Club		77.42
Dramatic Club		28.24
Dramatic Club		17.30
Dramatic Club		101.58
Eaton, H.H.		5.00
Ferrold, W.W.		80.00
Fund, Margaret		3.00
Forrester, Mabel		66.25
Forum Committee		.25
Fairbard, G.W.		1066.24
Interest Account		25.00
Franklin, Hilda		348.00
Keys Residence		40.00
Kyle, W.M.		427.65
Looker, Kaye		14.40
Leimer, K.J.		75.00
Levy, M.P.		99.45
Literary Society		10.00
Lime, W.		128.05
Medical Service		2410.00
" " 1922-23		32.00
Medical Club		12.00
Martin, Mary		80.00
Newbauer, K.W.		

2. TRUST ACCOUNT

DECEMBER 30th. 1922.

	Dr.	Cr.
Malahoe, W.G.		41.00
Mahaffy, Miss C.		20.00
McNeil, W.		50.00
McDonald, Jessie		5.00
McIntosh, Miss J.		6.00
MacMillan, W.A.	30.00	
Macdonald, A.H.		4.00
McLeod, M.		10.00
McPhee, M.S.		.50
McNeil, D.I.		140.50
McCauley, W.J.		20.00
McLenna, O. Jean	10.00	
Necker, C.A.		30.50
Nicholson, Mary		50.00
Philosophical Society		26.37
Pierce, J.R.		55.00
Panabaker, H.E.		5.00
Provincial Govt. Research		186.41
Park, W.F.		37.50
Rifle Club		10.00
Russell, Miss		50.00
Richardson, J.W.		115.00
Rooters Club		11.60
Reid, C.D.		11.25
Richert, C.H.		81.00
Rugby Club Fund		8.95
Students Christian Movement, Sunday Service Acct.		4.87
Students Christian Movement		1.50
Sanderson, J.S.	5.00	
Shakespeare, Society		8.86
Students Union 1921-22		72.00
" " 1922-23		1871.00
" " Rink		8.25
" Court		30.80
Soldiers Re-establishment Commission		50.00
Simpkin, Mary		30.00
Scroggie, A.		21.00
Stubbs, Miss F.		44.00
Stick, E.M.		10.00
Stark, J.N.		12.00
Sanderson, J.O.G.	2.57	
Students Christian Movement (Womens)		14.27
Saper, J.D.		8.00
Tennis Club		25.21
Thurston, W.G.		20.00
Tilley, Miss I.W.		2.00
Thomas, D.H.		73.60
Thompson, L.B.		62.00
University of Alta. War Memorial Fund	30.54	
University of Alta. War Memorial Fund Interest Acct.		1.25

TRUST ACCOUNT

	Dr.	Cr.
Labee, W.G.		41.00
Beatty, Miss C.		20.00
Bell, W.		50.00
Conrad, Wanda		5.00
Intosh, Miss J.		6.00
McMillan, W.A.	20.00	
Osborne, A.H.		4.00
Read, M.		10.00
Rhea, M.B.		.30
Bell, D.K.		140.50
Smiley, W.J.		20.00
Tamm, O. Jean	10.00	
Taylor, C.A.		80.89
Nicholson, Mary		50.00
Philosophical Society		26.37
Pierce, J.R.		58.00
Shoemaker, H.M.		5.00
Universal Govt. Resource		186.41
Burk, W.T.		87.80
Circle Club		10.00
Russell, Miss		80.00
Richardson, J.W.		118.00
Waters Club		11.60
Wild, C.D.		11.25
Robert, G.H.		81.00
Derby Club Fund		8.95
Students Christian Movement, Sunday		
Service Acct.		4.87
Students Christian Movement		1.60
Anderson, J.B.	5.00	
Shakespeare, Society		6.86
Students Union 1921-22		72.00
" " 1922-23		127.00
" " Rink		8.25
" Court		30.00
Waiters Re-establishment Commission		30.00
Murphin, Mary		30.00
Strogio, A.		21.00
Scribe, Miss M.		44.00
Black, B.M.		10.00
Clark, J.M.		13.00
Anderson, J.O.G.	8.87	
Students Christian Movement (Women)		14.37
Draper, J.D.		8.00
Gymnasia Club		35.21
Martyen, W.G.		20.00
Alley, Miss I.M.		5.00
Thomas, D.H.		73.60
Thompson, K.E.		68.00
University of Alta. War Memorial Fund	30.64	
University of Alta. War Memorial Fund		
Interest Acct.		1.25

3. TRUST ACCOUNT

DECEMBER 30th, 1922.

	Dr.	Cr.
Vernon, C.G.		32.00
Wees, W.		6.25
Weston, D.T.		10.00
Wauneita Society		35.25
Walker, John		40.00
Wiseman, V.O.		150.00
Year Book 1921-22		56.66
	884.82	14816.90
Less		884.82
		$ 13932.08

Loss .....

University of Alberta

December 30, 1922

ROCKEFELLER FOUNDATION.

Dec.31/1921	To Balance on hand	14,151.95	
1922			
Apr. 8th	" Deposits	6,410.15	
15th.	" "	6,618.15	
30th.	" Interest on a/c	39.87	
	"	112.42	
July 7th.	" Deposit	6,297.22	
Oct. 9th	" "	6,250.00	
31st.	" Interest	8.00	
1923			
Jan. 10th	" "	36.85	$39,924.61
1922			
Jan.11th	By University of Alberta	7,512.01	
Apl.30th	" " " "	20,000.00	
July10th	" " " "	6,317.75	
		33,829.76	
1923			
Jan.10th	By Balance on hand		
	Imperial Bank of Canada		
	Savings U - 14	6,894.85	$39,924.61

University of Alberta

December 80, 1922

RECEIPTS AND DISBURSEMENTS.

Dec.31/1921	To Balance on hand	34,122.32
1922		
Apr. 6th.	" Deposits	6,610.12
12th.	" "	6,612.32
30th.	" Interest on a/c	32.87
	"	122.42
July 7th.	" Deposit	6,807.32
Oct. 9th.	" "	6,320.00
Nov.	" Interest	8.00
1922		
Dec. 30th.	" "	36,62 [illegible]

1922		
Dec.31th.	By University of Alberta	7,312.02
Apr.30th.	" " " "	30,000.00
July30th.	" " " "	6,317.72
		83,654.74
1922		
Dec.30th.	By Balance on hand	
	Imperial Bank of Canada	
	Savings D - 34	6,304.82 [illegible]

University of Alberta

December 30th, 1922.

STUDENTS' LOAN FUND

1921	**Receipts**			
Dec. 31st.	Balance on hand		435.12	
1922				
Jan. 19th.	To Deposit		200.00	
Apr. 30th.	" " a/c exchange		2.10	
	" Interest to April 30th.1922		5.49	
July 3rd.	" payment on Loan		5.00	
Aug. 2nd.	" " " "		3.75	
Sep. 4th.	" " " "		55.00	
7th.	" " " "		25.00	
8th.	" " " "		30.00	
Oct. 11th.	" " " "	Unkarcut	50.00	
	" " " "	Interest	2.00	
	" " " "		10.00	
31st.	Interest on account		.38	
Nov. 1st.	Payment on Loan		10.00	$811.84
	Disbursements			
Feb. 21st.	By Loan to student		50.00	
	" " " "		209.50	
Mch. 24th.	" " " "		50.00	
25th.	" " " "		120.00	
Apl. 11th.	" " " "		100.00	
15th.	" " " "		75.00	
May 31st.	" " " "		60.00	
Aug. 2nd.	" " " "		33.75	
			698.25	
Dec. 31st.	Balance on hand			
	Imperial Bank of Canada Savings Ledger III, U-61		113.59	$811.84

University of Alberta

December 30th, 1922.

STUDENTS' LOAN FUND

		Receipts		
Dec. 31st.	Balance on hand			498.12
1922				
Jan. 10th.	To Deposit			500.00
Apr. 30th.	" " a/c exchange			3.10
"	" Interest to April 30th.1922			5.69
July 3rd.	" Payment on Loan			5.00
Aug. 22nd.	" " " "			5.75
Sep. 4th.	" " " "			25.00
" 7th.	" " " "			15.00
" 8th.	" " " "			30.00
Oct. 11th.	" " " Interest			50.00
"	" " " Interest			8.00
"	" " "			10.00
Sept.	Interest on account			.38
Nov. 1st.	Payment on Loan			10.00
				$ 813.64

		Disbursements		
Feb. 21st.	By Loan to student			50.00
"	" " " "			209.30
Mch. 24th.	" " " "			50.00
" 28th.	" " " "			126.00
Apl. 11th.	" " " "			300.00
" 18th.	" " " "			75.00
May 31st.	" " " "			60.00
June 2nd.	" " " "			53.78
				698.28
Dec. 31st.	Balance on hand			
	Imperial Bank of Canada			
	Savings Ledger III. U-63			115.39
				$ 813.64

University of Alberta

December 30th, 1922

WOMEN'S UNIVERSITY CLUB LOAN FUND

Dec. 31/1921	Balance on hand	9.50	
	Interest to Oct. 31/22	1.36	
June 16th	Deposit	20.00	
			$ 30.86
Dec. 31st.	Balance on hand		
	Imperial Bank of Canada		
	Savings Ledger III, U-45		$ 30.86

University of Alberta

December 30th, 1922.

Women's University Club

Colonial History Book Account

1921			
Dec. 31st.	Balance on hand	63.42	
	Interest to Oct. 31/22	1.86	
			$ 65.28
1922			
Dec. 31st.	Balance on hand		
	Imperial Bank of Canada		
	Savings Ledger III, U.46		$ 65.28

University of Alberta

December 30th, 1922.

Women's University Club

Optional History Book Account

1921

Dec. 31st. Balance on hand 65.65

Interest to Oct. 31/22 1.80

$ 65.65

1922

Dec. 31st. Balance on hand

Imperial Bank of Canada

Savings Ledger III, 1.46 $ 65.65

University of Alberta

December 30th, 1922

LAW LIBRARY FUND

1921			
Dec. 31st.	Balance on hand	544.40	
	Interest to Oct. 31/22	16.44	
			$ 560.84
1922			
Dec. 31st.	Balance on hand		
	Imperial Bank of Canada		
	Savings Account Ledger III, U.63		$ 560.84

University of Alberta

December 30th, 1922

LAW LIBRARY FUND

1921

Dec. 31st. Balance on hand $16.40

Interest to Oct. 31/22 .24

$ 660.64

1922

Dec. 31st. Balance on hand

Imperial Bank of Canada

Savings Account Ledger XIX, N.68 $ 660.64

University of Alberta

December 30th, 1922.

19th ALBERTA DRAGOONS

I. O. D. E.

1921			
Dec. 31st.	To Balance on hand	57.31	
	Interest to Oct.31/1922	1.68	
			$ 58.99
1922			
Dec. 31st.	Balance on hand		
	Imperial Bank of Canada		
	Savings Account L.III, U.55		$ 58.99

University of Alberta

December 30th, 1922.

1922 Alberta Diagonal

I. O. D. E.

1921

Dec. 31st. To Balance on hand 87.31

Interest to Oct.31/1922 1.88

$ 89.19

1922

Dec. 31st. Balance on hand

Imperial Bank of Canada

Savings Account I.III, 4.89 $ 89.19

University of Alberta

Dec. 30, 1922.

DR. BLAIS'S PRIZE

1921			
Dec. 31st.	Balance on hand	10.72	
	Interest to Oct.31/22	.24	
			$ 10.96
1922			
Dec. 31st.	Balance on hand		
	Imperial Bank of Canada		
	Savings Ledger III U.62		$ 10.96

University of Alberta

Dec. 30, 1932.

DR. BLAIR'S PAPER

1931

Dec. 31st. Balance on hand 10.72

Interest to Dec.31/32 .24

$ 10.96

1932

Dec. 31st. Balance on hand

Imperial Bank of Canada

Savings Ledger III U.62 $ 10.96

University of Alberta

December 30th, 1922.

WOMAN'S UNIVERSITY CLUB SCHOLARSHIP

Receipts

Dec.31/1921	Balance on hand	134.75	
	Interest to Oct. 31/22	3.74	
Nov. 30th.	To Deposit Coupons	37.00	
Dec. 8th.	To " "	15.00	$190.49
1922			
Dec. 31st.	By Loan Jean W Williamson	25.00	
	By Balance on hand		
	Imperial Bank of Canada		
	Savings Ledger III, U.-3	165.49	$190.49

on hand

1 - $50.00 Dominion of Canada 15 year, 5½% Gold Bond #H.189922, due November 1st, 1934

2 - 100.00 Dominion of Canada 15 year, 5½% Gold Bond #006336-7, due November 1st, 1934

1 - 100.00 Dominion of Canada 15 year, 5½% Gold Bond #A.010293, due November 1st, 1934

1 - 50.00 Dominion of Canada 15 year, 5½% Gold Bond #H.007802, due November 1st, 1934.

1 - 500.00 Dominion of Canada 10 year, 5% Gold Bond #B.13680, due December 1st, 1925

1 - 100.00 Dominion of Canada 10 year, 5% Gold Bond #A.36885, due December 1st, 1925

Total $1,000.00

University of Alberta

December 20th, 1923.

WOMAN'S UNIVERSITY CLUB BURSARY

Receipts

Dec.31/1923	Balance on hand		134.75
	Interest to Oct. 31/23		8.74
Nov. 20th.	To Deposit Coupons		27.00
Dec. 8th.	To " "	15.00	$190.49

1922

Dec. 31st.	By Cash		25.00
	By Balance on hand		
	Imperial Bank of Canada.		
	Saving Ledger XIX, Y.-3	165.49	$190.49

on hand

1 - $50.00 Dominion of Canada 1% year, 5½% Gold Bond
#M.109928, due November 1st, 1934

2 - 100.00 Dominion of Canada 1% year, 5½% Gold Bond
#000356-7, due November 1st, 1934

1 - 100.00 Dominion of Canada 1% year, 5½% Gold Bond
#A.010292, due November 1st, 1934

1 - 50.00 Dominion of Canada 1% year, 5½% Gold Bond
#M.007902, due November 1st, 1934.

1 - 500.00 Dominion of Canada 10 year, 5% Gold Bond
#B.18600, due December 1st, 1928

1 - 100.00 Dominion of Canada 10 year, 5% Gold Bond
#A.25892, due December 1st, 1928

Total $1,000.00

University of Alberta

SIR JAMES AIKEN SCHOLARSHIP FUND

1921 Dec. 31st.	To Interest in Investment	$ 60.00
1922 Dec. 31st.	Balance on hand Savings Account, Imperial Bank of Canada	$ 60.00

Invested in:

1 Savings Certificate #J.1633 - $50.00 @ 5%
1 " " #J. 920 - 50.00 @ 5%
1 " " #C.2000 - $ 5.00 @ 5%
1 " " #C.2703 - 5.00 @ 5%
1 " " #C.2704 - 5.00 @ 5%
1-15 Year Gold Debentures No.3160-$1000.00 @ 6%
1-15 " " " No.3161-$1000.00 @ 6%

Registered in name of University of Alberta

University of Alberta

SIR JAMES ALEXEW OPENCHAUSKIY FUND

1923
Dec. 31st. To Interest in Investment $ 50.00

1924
Dec. 31st. Balance on hand
Savings Account. Imperial Bank of Canada $ 50.00

Invested in:

1 Savings Certificate #1.3838 - $50.00 @ 5%
1 " " #1. 938 - 50.00 @ 5%
1 " " #6.5000 - $ 5.00 @ 5%
1 " " #6.3705 - 5.00 @ 5%
1 " " #6.3706 - 5.00 @ 5%
1-15 Year Gold Debenture No.3830-$1000.00 @ 6%
1-15 " " " No.3831-$1000.00 @ 6%

Registered in name of University of Alberta

University of Alberta

December 30th, 1922

ALBERTA PHARMACEUTICAL ASSOCIATION

Receipts

Dec.31st, 1921	Balance on hand	$ 6,070.81	
	Interest to April 30th	91.02	
	" " Oct. 31st.	30.80	$6,192.63
July 11th.	By University of Alberta		$6,192.63

On hand

7 Debentures Town of Vegreville

6% @ $1000.00 ea. $ 7,000.00

University of Alberta

December 30th, 1932

ALUMNAE PHARMACEUTICAE ASSOCIATION

Receipts

Dec.31st, 1931 Deficit on hand $ 6,070.83

Interest to April 30th 93.02

" " Oct. 31st. 60.80 $6,192.65

July 11th. By University of Alberta $6,192.65

On hand

V Debentures Town of Vegreville

ck @ $1000.00 ea. $ 4,000.00

UNIVERSITY OF ALBERTA
ARCHIVES
ACCESSION No. 71-164-34
REFERENCE No.

UNIVERSITY OF ALBERTA
ARCHIVES
ACCESSION NO. 71-164-34
REFERENCE NO.